19990115.qrp v01_n337.qrl.990115

Date: Fri, 15 Jan 1999 19:03:28 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1337

QRP-L Digest 1337

Topics covered in this issue include:

1) [29738] Re: Wire / Rope Antenna.... Below Zoro.... updated... u prayed good
 by RangerSF5@aol.com
2) [29739] RE: Frequency counter probe question
 by William Phinizy <wphinizy@connect3.com>
3) [29740] Iowa QRP Group buy from Paul Washa books
 by "John Burnley" <burnley-ia@worldnet.att.net>
4) [29741] Re: Frequency counter probe question
 by "Radman" <radman@best.com>
5) [29742] Re: qrp 1999 resolutions
 by Ron Stark <ku7y@dri.edu>
6) [29743] RE: Frequency counter probe question
 by "Ed Tanton" <n4xy@mindspring.com>
7) [29744] Re:Qrm problem/device ???
 by RangerSF5@aol.com
8) [29745] Re: The Importance of Baluns/Coax Chokes/RG-174
 by Joe Everhart <n2cx@voicenet.com>
9) [29746] Re VXOs and new(ish) twists
 by Joe Everhart <n2cx@voicenet.com>
10) [29747] RE: Frequency counter probe question
 by Chris Trask <ctrask@primenet.com>
11) [29748] Re: Hurry Up
 by Anita och Lars Olsson <anita.lars.olsson@telia.com>
12) [29749] OHR Classic ?
 by "Beaks" <beaks@westco.net>
13) [29750] Re: Differences btwn Bugs, Paddles, keyers, etc.
 by fcsw@juno.com (Richard Rood)
14) [29751] RE: Great Day on QRP-L
 by "Randy Moore" <wr.moore@worldnet.att.net>
15) [29752] Re: Hurry Up
 by Todd <kb4dpf@visi.net>
16) [29753] Re: The Importance of Baluns/Coax Chokes
 by PHILLIPS RICHARD <phillips@msoe.edu>
17) [29754] Visit to Ten-Tec - Addendum
 by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
18) [29755] Elmer205 - Help with 3f4 for Linux
 by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
19) [29756] Re: The Importance of Baluns/Coax Chokes

by "Kevin F. Glynn" <kfglynn@prodigy.net>
20) [29757] Re: QRP 1999 Resolutions
by Charles Kadesch <chas@digizen.net>
21) [29758] NVIS on 30M Tonight
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
22) [29759] Re: Hurry Up
by N7YA@aol.com
23) [29760] Another 38-Special on the air!
by "Rob Dey" <rdey@myhost.com>
24) [29761] Grid dip meter
by "WILLIAM T. ROSE" <supertec@mail.myriad.net>
25) [29762] SGC-2020 Comments??
by JCoote@aol.com
26) [29763] Cases for various NorCal rigs
by "Rob Dey" <rdey@myhost.com>
27) [29764] RE: Frequency counter probe question
by Denton Bramwell W7DB <Denton@Bramwell.Org>
28) [29765] RE: NVIS Tonight on 10 mHz
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
29) [29766] RE: What makes a QSO?
by David Fifield <fifield@pacbell.net>
30) [29767] Re: SGC-2020 Comments??
by "Bob Kellogg" <ae4ic@nr.infi.net>
31) [29768] FOX - rough tonite
by Tom Palmer <n1tp@worldnet.att.net>
32) [29769] Re: SGC-2020 Comments??
by Lee Bahr <bahr521@earthlink.net>
33) [29770] what, me hurry?...a politically correct opinion, lol
by N7YA@aol.com
34) [29771] WOW -- I just worked South Africa 2-way QRP!!
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
35) [29772] Re: FOX - rough tonite
by "George T. Baker" <w5yr@swbell.net>
36) [29773] Re: WOW -- I just worked South Africa 2-way QRP!!
by Tom Palmer <n1tp@worldnet.att.net>
37) [29774] Re: What makes a QSO?
by N7YA@aol.com
38) [29775] Re: FOX - rough tonite
by RangerSF5@aol.com
39) [29776] Re: FOX - rough tonite
by mwattcpa@earthlink.net (Marty Watt)
40) [29777] Elmer200: 19990114 Reading, Writing, and Arithmetic
by Chuck Adams <adams@ticnet.com>
41) [29778] Good News/Bad News Propagation
by Chuck Adams <adams@ticnet.com>
42) [29779] Elmer2XX: Issues on software and O/S and books
by Chuck Adams <adams@ticnet.com>
43) [29780] Re: Frequency counter probe question

by we6w@juno.com (Ed Loranger)
44) [29781] Re: FOX - rough tonite (I was there!)
by "Steve Miller" <kg7pv@hevanet.com>
45) [29782] fox N7CQR
by talljazz@teleport.com (Dan Presley)
46) [29783] How audio bandwidth of the NC40A can significantly be reduced
by Norbert Heyder <norbert.heyder@ri.dasa.de>
47) [29784] Argosy 525 Sold
by FaithD@mail01.dnr.state.wi.us
48) [29785] Re: FOX - rough tonite
by Shephed@aol.com
49) [29786] sgc-2020 again
by "Walter D. Amos" <waltk8cv@surfree.com>
50) [29787] Re: qrp 1999 resolutions
by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
51) [29788] Need new dxcc country?
by Alen Mitrovic <alenm@hermes.si>
52) [29789] QRP Enthusiast in Lithuania
by Joseph Mikuckis <k3chp@erols.com>
53) [29790] Re: FOX - rough tonite
by Bruce Rattray <rattray@gpfn.sk.ca>
54) [29791] HW-9 FS ON EBAY
by Brad Bradfield <b_bradfield@yahoo.com>
55) [29792] Re: Good News/Bad News Propagation
by Jeff <fantbb@yahoo.com>
56) [29793] Re: FOX - rough tonite
by DNT1@daimlerchrysler.com
57) [29794] FOX: INHF on Long Island
by "Franco, Nicholas J" <franco@bnl.gov>
58) [29795] Overload on RS12/13
by Ed Manuel <n5em@flash.net>
59) [29796] qrp qso w/AO-27: suggestions for backpack UHF ant?
by Dave Ek <ekdave@earthlink.net>
60) [29797] Balun 101
by n3aaz-qrp@juno.com (John R Kirby)
61) [29798] [Fwd: ARLB004 FCC official meets hams on their own turf]
by Scott Howell <whowell@hq.nasa.gov>
62) [29799] Re: FOX: INHF on Long Island
by Vic Rosenthal <rakefet@rakefet.com>
63) [29800] Re: qrp qso w/AO-27: suggestions for backpack UHF ant?
by mwattcpa@earthlink.net (Marty Watt)
64) [29801] Re: FOX: INHF on Long Island
by Bruce Rattray <rattray@gpfn.sk.ca>
65) [29802] Re: qrp qso w/AO-27: suggestions for backpack UHF ant?
by Jeff Johns <jeffj@scott.net>
66) [29803] RE: sgc-2020 again
by "Ed Tanton" <n4xy@mindspring.com>
67) [29804] [FYBO] Winter QRP Field Day Stuff!

by Joe Gervais <vole@primenet.com>
68) [29805] Re: qrp qso w/AO-27: suggestions for backpack UHF ant?
by Jeff Johns <jeffj@scott.net>
69) [29806] Re: qrp qso w/AO-27: suggestions for backpack UHF ant?
by Jeff Johns <jeffj@scott.net>
70) [29807] Re: FYBO contest
by Joe Gervais <vole@primenet.com>
71) [29808] Son of Fireball: They're Here!
by William-McShan@ouhsc.edu (Mike McShan)
72) [29809] AO-27 QRP
by Jeff Johns <jeffj@scott.net>
73) [29810] Design background
by "Bob Tellefsen" <n6wg@earthlink.net>
74) [29811] March 6th NW QRP & BC QRP Peace Arch Gathering
by "Bill Todd" <bill@willapabay.org>
75) [29812] RTTY with CW Only Rigs
by n3aaz-qrp@juno.com (John R Kirby)
76) [29813] Re: Grid dip meter
by Carl Hyde <carl.s.hyde@lmco.com>
77) [29814] Y2K Problems SOLVED
by Brad Mugleston <bmug@gwl.com>
78) [29815] Re: Y2K Problems SOLVED
by James Skalski <jskalski@buffnet.net>
79) [29816] PLEASE READ
by RangerSF5@aol.com
80) [29817] For Sale: Oak Hills 500 stn unassembled
by "cdd" <cdd@bellatlantic.net>
81) [29818] Re: Elmer2XX: Issues on software and O/S and books
by Richard Sherman <srichard@aldus.northnet.org>
82) [29819] Re: Grid dip meter
by "Brad Hernlem" <alihernlem@hotmail.com>
83) [29820] AL7FS visit
by "Marshall Emm" <mgemm@mtechnologies.com>
84) [29821] FW: ARLB004 FCC official meets hams on their own turf
by "rohre" <rohre@arlut.utexas.edu>
85) [29822] Phase locked loops
by "Joseph Street" <joseph.street@comdev.ca>
86) [29823] Re: 13wpm
by "Ed Hare, W1RFI" <ehare@arrl.org>
87) [29824] Satellite FD QRP QSOs?
by Zack Lau <zlau@arrl.org>
88) [29825] Toroid winding Tip?
by Ed Loranger <we6w@qsl.net>
89) [29826]
by DNT1@daimlerchrysler.com
90) [29827] Fcc Police
by ac5ez@webtv.net (Larry B)
91) [29828] Re: NPRM Comments

by "Mitch Dickson" <mitch@volstate.net>
92) [29829] Sv: qrp 1999 resolutions
by "Lars Harbo" <harbo@post3.tele.dk>
93) [29830] Weekend contests?
by Ed Loranger <we6w@qsl.net>
94) [29831] Re: What, Me Hurry?
by Rick McNelly <72507.235@compuserve.com>
95) [29832] RE: Toroid winding Tip?
by "Ed Tanton" <n4xy@mindspring.com>
96) [29833] Re: Toroid winding Tip?
by "Radman" <radman@best.com>
97) [29834] Re: Hurry Up
by "Mitch Dickson" <mitch@volstate.net>
98) [29835] Re: What, Me Hurry?
by "Edward A Kwik jr" <eakwikjr@hti.com>
99) [29836] Re: Hurry Up
by "Mitch Dickson" <mitch@volstate.net>
100) [29837] Re: Fcc Police
by n3aaz-qrp@juno.com (John R Kirby)
101) [29838] 30 meters sked?
by "Joseph Street" <joseph.street@comdev.ca>
102) [29839] Re: Any interest in more 10-turn pots?
by Ed Manuel <n5em@flash.net>
103) [29840] Re: qrp 1999 resolutions
by "Mitch Dickson" <mitch@volstate.net>
104) [29841] Re: Toroid winding Tip?
by Tom Bowman <tbowman@nbn.net>
105) [29842] Re: What, Me Hurry?
by James Skalski <jskalski@buffnet.net>
106) [29843] Re: Frequency counter probe question
by "Mitch Dickson" <mitch@volstate.net>
107) [29844] Re: what, me hurry?...a politically correct opinion, lol
by "Mitch Dickson" <mitch@volstate.net>
108) [29845] FYBO
by Roger Hightower <n7kt@earthlink.net>
109) [29846] Re: 30 meters sked?
by Joe Gervais <vole@primenet.com>
110) [29847] Re: Toroid winding Tip?
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
111) [29848] Re: Y2K Problems SOLVED
by "Mitch Dickson" <mitch@volstate.net>
112) [29849] Re: PLEASE READ
by "Mitch Dickson" <mitch@volstate.net>
113) [29850] RE: Y2K Problems SOLVED
by Brad Mugleston <bmug@gwl.com>
114) [29851] Re: Fcc Police
by "Mitch Dickson" <mitch@volstate.net>
115) [29852] 1999 QRP-L Heathkit Hot Water Sprint (HHWS) ANNOUNCEMENT (DUPE)

 by pmk@juno.com (Patrick M Kvitkauskas)
116) [29853] Re: I hear you need Idaho...
 by Niel Skousen <nskousen@scientech.com>
117) [29854] Re: Toroid winding Tip?
 by Pierre Constantineau <pierre@cmpe.ubc.ca>
118) [29855] Re: sgc-2020 again
 by PUNISHER3@aol.com
119) [29856] Re: qrp 1999 resolutions
 by kf2ew@juno.com
120) [29857] Re: RIT Circuits- QRP Rigs Circuit Analysis
 by kf2ew@juno.com
121) [29858] MFJ NEWS LETTER
 by RangerSF5@aol.com
122) [29859] RFI from TCI wireless modem jacks
 by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
123) [29860] ATTN.Niel Skosen
 by RangerSF5@aol.com
124) [29861] Re: Toroid winding Tip?
 by Ed Loranger <we6w@qsl.net>
125) [29862] HAM LINKS
 by Tom Palmer <n1tp@worldnet.att.net>

Date: Thu, 14 Jan 1999 18:57:59 EST
From: RangerSF5@aol.com
To: hamjoel@juno.com, qrp-l@Lehigh.EDU
Subject: [29738] Re: Wire / Rope Antenna.... Below Zoro.... updated... u prayed good
Message-ID: <cedafa37.369e8487@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Tell us more about the RED HEAD
Bob
WA2HOQ

Date: Thu, 14 Jan 1999 16:07:59 -0800
From: William Phinizy <wphinizy@connect3.com>
To: "'QRP-L List Server'" <qrp-l@lehigh.edu>
Subject: [29739] RE: Frequency counter probe question
Message-ID: <01E700B492CBD1118441006097B68072126FFE@LONGBEACH_EXCH>
MIME-Version: 1.0
Content-Type: text/plain

Funny how these things come up..

I had to operate on a drifting VFO in my OHR-100A last night (the patient is resting comfortably) and I had to rewind the infamous L114 toroid *twice* because I had my scope probes (of unknown swap meet origin) on the 10X setting.

To recount: I had replaced some caps in the VFO causing the tuning range to slip to 6.985-7.055 KHz. The OHR 100A setup calls for the LO frequency to be 4.950 MHz; this is done by expanding or compressing a toroid's windings. Since I had long ago doped the coil, I unsoldered it, cleaned it up, and rewound it. Religiously following instructions, I measured the frequency using the 10X setting and was shocked read an LO frequency of 5.9 MHz. No amount of scrunching of the windings could lower it below 5.5 MHz.

So I did the whole thing over with the same results! In a fit of desperation, I clicked the probe to 1X. Viola! 4.855 MHz! Just a small pinch of the windings brought it into spec whereupon I drenched it with the last of my wife's clear nail polish (I owe you, dear) . Now it goes from 6.997 to 7.074 and is rock-solid-stable.

..are the probes crappy or what?

> ----------
> From: Radman [SMTP:radman@best.com]
> Sent: Thursday, January 14, 1999 3:51 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Frequency counter probe question
>
> Hi Paul,
>
> I use Tek, HP and Fluke probes interchangeably between my
> Tek scope, freq counters and sig generators. I seldom do
> any work above 50 MHz, although my Tek probes are rated at
> 150 MHz (Tek P6109) 10X probes. I'm not away of anything
> "wrong" with doing this :-) Always a good idea to use a
> 10X probe, IMHO.
>
> I say, "party on!"
>
> 72 - Conrad Weiss - NN6CW
>
> **********
>
> Hi There,

Is there any reason why Scope probes should not be used
with
frequency counters?

cheers, Paul VE7CQK/email: paule@sfu.ca

Date: Thu, 14 Jan 1999 18:20:53 -0600
From: "John Burnley" <burnley-ia@worldnet.att.net>
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>, <qrp-l@lehigh.edu>
Cc: <w0tok@email.msn.com>
Subject: [29740] Iowa QRP Group buy from Paul Washa books
Message-ID: <19990115002226.YSLV6556@burnley-ppp.phibred.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I hope you haven't spent all your cash from Santa. The
Iowa QRP Club is pleased to announce another group
buy from Paul Washa Books (W0TOK). Paul has several
titles and options available. Paul has also agreed to extend
this offer to QRP-L. Just remember to specify the Iowa QRP
Club group purchase when contacting Paul. These prices
reflect stateside shipping. Any DX orders should contact Paul
first to see if he can accomodate them.

Here are the details:

ARRL 1999 Handbook without software $27.00 delivered
ARRL Radio Designer Software $135.00 delivered

Shipping charges apply to the following books and are
calculated based on the order total. The order total will
NOT include the 1999 handbook or Radio Designer Software
as those are delivered (to you) prices.

ARRL Antenna Compendium 1 $8.00 plus shipping
ARRL Antenna Compendium 2 $11.00 plus shipping
ARRL Antenna Compendium 3 $11.00 plus shipping
ARRL Antenna Compendium 4 $16.00 plus shipping
ARRL Antenna Compendium 5 $16.00 plus shipping
ARRL QRP Notebook (W1FB) $8.00 plus shipping
ARRL QRP Power $10.00 plus shipping
QRP Now! $14.00 plus shipping
ARRL Solid State Design $12.00 plus shipping
ARRL Intro To RF Design with software $23.00 plus shipping

ARRL Antenna Handbook with software $22.00 plus shipping

Shipping charges (remember to exclude the 1999 handbook or the Radio Designer Software if ordered when calculating the order total).

$1-19.99 order $4.00 shipping
$20-29.99 order $5.00 shipping
$30-39.99 order $6.00 shipping
$40-49.99 order $7.00 shipping
$50-59.99 order $8.00 shipping
$60 plus order $10.00 shipping

How to order: You must contact Paul and specifically mention the Iowa QRP group purchase. You may contact Paul at: w0tok@email.msn.com or phone (612) 472-8991. His address is:

Paul Washa (W0TOK)
4916 Three Points Boulevard
Mound, MN 55364-1245

He will accept checks or money orders (but no credit cards). Do not contact me, but go directly to Paul. This group buy will run 60 days (to allow IAQRP members who are not online to read about it in the next newsletter).

My thanks to Paul for extending this offer to the Iowa QRP Club and QRP-L. The usual disclaimers apply: I have no financial interest in Paul's business and am not receiving anything in return for getting this deal together.

72/73, John NU0V

Date: Thu, 14 Jan 1999 16:26:15 -0800
From: "Radman" <radman@best.com>
To: <paule@sfu.ca>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29741] Re: Frequency counter probe question
Message-ID: <199901150021.QAA15654@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Sorry for re-post to correct my typo...

I'm not >aware< of anything "wrong" with using scope
probes on a freq counter.

In fact, I'm doing it right now :-) :-)

72 - Conrad - NN6CW -- sry for extra BW !

Hi There,

Is there any reason why Scope probes should not be used
with
frequency counters?

cheers, Paul VE7CQK/email: paule@sfu.ca

Date: Thu, 14 Jan 1999 16:48:08 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: James Skalski <jskalski@buffnet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29742] Re: qrp 1999 resolutions
Message-ID: <Pine.SOL.3.96.990114164715.28386B-100000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 14 Jan 1999, James Skalski wrote:

>
> Has anyone made any resolutions re: qrp for 1999?
>

I started to make a resolution to continue never making
resolutions but changed my mind....

73, Ron, SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 14 Jan 1999 20:04:47 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <paule@sfu.ca>
Subject: [29743] RE: Frequency counter probe question
Message-ID: <004301be4023$0b4f6c20$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I don't know... I have used 1:1 probes many times without difficulty.

72 / 73 Ed N4XY email: <n4xy@mindspring.com>

Date: Thu, 14 Jan 1999 19:58:00 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [29744] Re:Qrm problem/device ???
Message-ID: <a4ad7bc0.369e9298@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,
Let me explain again as I found a hidden device.
1 This is a display case for a gift shop.
2 A large block plugs into the wall and a very light weight plastic black box plugs into that.
This light weight box has a single wire running to the light sensor in back of the display case.
About an hour ago,I was doing more poking around and found another box(metal) that has 2 wires running to the lights in the display case.
On this metal box,(i'd say is appx 1/4 pound) has operating freq.@20 KC.
Is this some sort of transmitter.
I never seen any photo sensor setup like this.
I received a lot of input from the guy's on the list but I don't think the lady wants me to put where you guys suggested although I agree thats the best place for it.
So,is this some sort of transmitter??
I'm open to all suggestions.

Bob
WA2HOQrp <tm>

Date: Thu, 14 Jan 1999 20:34:26 -0500
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Cc: njqrp@njqrp.org
Subject: [29745] Re: The Importance of Baluns/Coax Chokes/RG-174
Message-ID: <199901150134.UAA75656@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Two more topics I can't hold back on. :-) Please excuse the length
of this treatise, but I want to make a bunch of points.

As for baluns, I've used 'em and I've not used 'em.

When an antenna pattern is important such as in directive arrays,
they are important, as several have pointed out, to help to
minimize feedline radiation.

But they are not a cure-all. If your dipole feeder is brought
away from the feedpoint at right angles, all is as expected
with the balun. But if not, (and how many installations are
perfect?), current will be induced in the outside of the coax
shield will skew the pattern anyway.

Other disadvantages are the added weight at the worst point in an
end-supported dipole and additional loss if a high-quality balun
is not used. I have seen friends who bragged about their lowered
SWR after adding a balun who found that the lowered SWR was due not
to curing the balanced-to-unbalanced situation, but core loss in
the balun!

Another minor point is that if you use the balun you can lose some
flexibility. Those of us with limited space sometimes use a dipole
as a random length wire antenna on 80 and 160 by tying the feedline
conductors together and matching with a so-called antenna tuner. With
a balun in line, the effective antenna lenght for this setup is
reduced since the feedline is isolated from the "top hat" formed by
the dipole.

On the other hand I agree that in a fixed installation where
you want complete control of the situation you probably should use a

balun. And my choice would be either a so-called "sleeve" balun or the coiled-up coax type. Either of these minimizes power loss.

At home I circumvent these problems by using a dipole fed with ladder line and a ZM-2 tuner. Balance is preserved and I get low-loss multiband operation.

An atractive application for a balun-less coax-fed dipole is casual portable operation. When you want the smallest-size, lightest-weight dipole, the balun is unattractive. It is not difficult to justify a little feedline radiation in exchange for the bulk and extra weight of a balun.

Which brings me to feedlines for portable antennas. The matter here, too, is often size and weight. While RG58 is a pretty good compromise between weight and loss, it tends to be too much of a good thing for lightweight portabling. I much prefer RG-174 that allows me to have a 40 meter dipole with 30 feet of feedline that weighs in at under a pound and fits in a quart-size zipper bag. The added loss above RG58 is only about 1 dB as high as 30 meters and only a couple of dB up to 10 meters. And no balun, either, that just adds to lug around.

At one time I had access to some RG223 coax that was about 30% lighter than RG58 and had almost the same low loss. Good stuff as a compromise solution, but it's kinda pricey.

OTOH I sometimes these days I use an end-fed half-wave wire. As has been pointed out it is pretty darned convenient and very lightweight even including a simple parallel tuned circuit matcher. At the last Field day a 130 foot wire served well on 80 and 40 with a very simple tuner.

Whew, no flames, please but do consider the stated reasons for my comments.

And, yes, I do kinda have a vested interest in many of the topics I've talked about at length. ;-)

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Thu, 14 Jan 1999 20:34:24 -0500
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Subject: [29746] Re VXOs and new(ish) twists
Message-ID: <199901150134.UAA57972@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK gang, I can't let this topic pass without putting in my own
two cents seeing as how it's one of my favorite topics!

Laura Halliday mentioned the Ham Radio Article and Mike C. (WA8MCQ)
brought up the one from W7ZOI. Actually a couple of years ago
Mike told me of both references privately...

The quarter wave line trick goes back quite a ways. And its
original description was as a method of transforming the
parallel resonance of a quartz crystal into an equivalent series
resonance (and in the mix "swallowing up" the tough-to-handle
parallel holder capacitance). The quarter wave line is usually
simulated by a pi network and the inversion is similar to impedance
transformation familiar to antenna matching use.

My interest was piqued by a Teaching Assitant I had at a lab in
college back int he 60's. He had worked on a military backpack radio
that achieved its FM'ing by pulling a crystal oscillator. This was
much more temp stable than varying an LC oscillator.

The earliest reference I have found was (from memory) in the British
IRE back in the early 50's where it was used for broadcast FM
transmitters. They, too wanted a temperature stable means of generating
a frequency modulated signal. This was also discussed in the mid 50's
in Wireless World. A recent tome on frequenc synthesis by Manasewich (SP?)
talked about it and gave some solid design information.

Then W7ZOI graced the QRP word with his article in the QRP Quarterly.

The advantages of the non-gyrator approach are wide tuning range and
the excellent frequency stability of crystal oscillators. The downsides
are the need for wide-tuning voltage-variable capacitors (varicaps)
for voltage controlled tuning and the need to either specify the crystal
to be used or to measure the characteristics of those you have.

I've not had the time to do much with them lately but may get going again
with the technique.

If anyone wants references I will galdly supply them as soon as I have an
opportunity to look them up.

And if Laura or anyone else works on the gyrator scheme I'd like to hear about it.

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Thu, 14 Jan 1999 18:39:43 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Ed Tanton <n4xy@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29747] RE: Frequency counter probe question
Message-ID: <Pine.BSI.3.96.990114183630.258B-100000@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 14 Jan 1999, Ed Tanton wrote:

> I don't know... I have used 1:1 probes many times without difficulty.
>
> 72 / 73 Ed N4XY email: <n4xy@mindspring.com>
>

I even use 10:1 probes if there's enough signal to drive the counter. The 7D15 counter in my 'scope does nicely, too, up to 225MHz.



Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com

http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Thu, 14 Jan 1999 02:40:11 +0100
From: Anita och Lars Olsson <anita.lars.olsson@telia.com>
To: qrp-l@Lehigh.EDU
Subject: [29748] Re: Hurry Up
Message-ID: <369D4AFB.4283@telia.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi CW-lovers,
I use to say that a silly question should get a silly answere. I think
that was wrong when I read the "Hurry Up" discussion.
Larry, you got a lot of very good answeres. Read them and try to
understand!
Morse code is the noble art of Ham Radio.
73 de Lars / SM3AVQ

Date: Thu, 14 Jan 1999 20:53:13 -0500
From: "Beaks" <beaks@westco.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [29749] OHR Classic ?
Message-ID: <00e401be4029$d05ac900$db4ff5cd@beaks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone out there have an Oak Hills Classic rig (20/40) that they want to
part with?
Email me direct with specifics....Thanks!
Arch N8EAG
Fairmont, WV

Date: Thu, 14 Jan 1999 20:53:31 EST
From: fcsw@juno.com (Richard Rood)
To: radman@best.com
Cc: qrp-l@Lehigh.EDU
Subject: [29750] Re: Differences btwn Bugs, Paddles, keyers, etc.
Message-ID: <19990114.205241.4847.0.fcsw@juno.com>

On Thu, 14 Jan 1999 12:30:42 -0800 "Radman" <radman@best.com> writes:

(following is edited copy)
>
>Nice write-up on bugs, paddles 'n keyers :-)

I agree...

>
>Question for you: what technique(s) do you recommend for
>those ops who want to use *both* bugs and paddles? I've
>found switching between my Viboplex bug and my Schurr
>Profi paddle to be, er... nearly impossible.

I had the same problem and "solved" it to my satisfaction by
merely "thinking bug" when I used the paddles. Yes I had to
learn finger timing to make individual dashes, but over time
I learned to rest the finger and take advantage of serial
dashes. Now its no sweat going from one to the other.
I think we both know its the sound of the "music" that
drives the hand; and that makes it all
possible.

72, dick, w2scf south NJ
ex- telegrapher for hire;
military, civilian, aviation, maritime
USCG, CAA, FAA, WSC

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Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 14 Jan 1999 20:15:55 -0600
From: "Randy Moore" <wr.moore@worldnet.att.net>
To: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>, <qrp-l@Lehigh.EDU>
Subject: [29751] RE: Great Day on QRP-L
Message-ID: <000201be402c$fb852be0$4311430c@wrmoorerpc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

E-mail to Dennis[kk5py@juno.com] and he'll fill you in on his neat keys.

> -----Original Message-----
> From: T.J. "SKIP" Arey N2EI [mailto:tjarey@home.com]
> Sent: Thursday, January 14, 1999 2:41 PM
> To: qrp-l@Lehigh.EDU; wr.moore@worldnet.att.net
> Subject: Great Day on QRP-L
>
>
> Where can we find more info on the Te Ne Key Micro Key???
> --
> ++
>
> T.J. "SKIP" AREY N2EI e-mail tjarey@home.com
>
> Website http://members.home.net/tjarey
>
> Snail Mail: PO Box 236, Beverly, NJ 08010
>
> Specialization is for insects! LAZARUS LONG
>

Date: Thu, 14 Jan 1999 21:22:06 +0000
From: Todd <kb4dpf@visi.net>
To: ac5ez@webtv.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29752] Re: Hurry Up
Message-ID: <369E5FFE.3110EF14@visi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Larry B wrote:

> Why would anyone want to "hurry up" and get their general when the
> proposals on the table are to reduce the general cw requirment down to
> 5wpm ? Would not it make more sense to wait until the bar is lowered or
> perhaps disposed of

Actually, I'm hurrying up to get my extra before they "lower the bar".
I've had the goal of obtaining an extra class license, for years, and I
don't want to be denied that due to restructuring. You, do what ever you
wish. :)

--
Todd McCoy: QRP-L #1823
KB4DPF - Gloucester Co., Virginia
37.2942 N, 76.4158 W | Grid: FM17
http://members.visi.net/~kb4dpf/Radio.html

Date: Thu, 14 Jan 1999 20:42:01 -0600 (CST)
From: PHILLIPS RICHARD <phillips@msoe.edu>
To: "Kevin F. Glynn" <kfglynn@prodigy.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29753] Re: The Importance of Baluns/Coax Chokes
Message-ID: <Pine.OSF.3.96.990114202940.11896B-100000@torres.msoe.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 13 Jan 1999, Kevin F. Glynn wrote:

>
> I've made 5 different dipole wire antennas at my home location. The first
> did not have a balun and TVI was fun fun fun!!!

A direct quote from W1FB's Antenna Notebook by Doug DeMaw:
Page 11, paragraph 6,
"You may hear all manner of balderdash about baluns, or you may find
technical misstatements about them in ads and magazine articles. One
popular hyp is that baluns can cure TVI. Or, you may read or hear that
they can improve the efficiency of your antenna. It is best to remember
that all transformers have some loss through them, however small it may
be. Losses are dependent upon how well the transformer is designed and
constructed. Also, if the balun or other broadband transformer is not

used correctly, the losses will increase..............."

I think W1FB has had a little experience also. If you want to learn more
read the rest of his article.
73 Rich, AA9L

Date: Fri, 15 Jan 1999 03:33:03 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
To: qrp-l@lehigh.edu
Subject: [29754] Visit to Ten-Tec - Addendum
Message-ID: <3.0.16.19990115030638.0a67434a@som-uky.campuscw.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have it on good authority that we will soon see an 80 meter
version of the T-Kit QRP rig, quite possibly by spring, with
other QRP specific items to follow soon thereafter.

tu de Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>
The KA8OKH / KB4NPI Web - http://www.qsl.net/ka8okh

Date: Fri, 15 Jan 1999 03:33:05 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
To: qrp-l@lehigh.edu
Subject: [29755] Elmer205 - Help with 3f4 for Linux
Message-ID: <3.0.16.19990115033244.0a67875a@som-uky.campuscw.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone else using Spice 3f4 on Linux? I'm having a little
trouble building 3f4. Have the .tar.gz files from the Nov '98
Slackware CDRom.
I think I'm missing something simple here. A missing path
or something during the build. I've RTFM, but still no clue.

Chuck... thumbs up. Grabbing Elmer 200 & 205 off your
web page, printing and binding. Thanks.

tu de the climber of steep learning curves,
/home/Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>
The KA8OKH / KB4NPI Web - http://www.qsl.net/ka8okh

Date: Thu, 14 Jan 1999 22:52:36 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "PHILLIPS RICHARD" <phillips@msoe.edu>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29756] Re: The Importance of Baluns/Coax Chokes
Message-ID: <199901150352.WAA135820@pimout2-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Rich and gang,

I don't want to get into a pi**ing match here, OK. I just threw out my 2 cents, and had replied to the original question in private, but felt maybe someone could benefit so I cc:'d the list. I just wanted to share my experience, my friend Vinny WB2AAP reminds me I'm a ham, experiment.

You know, I actually spoke to Doug DeMaw W1FB (SK) on the phone about the use of baluns and coax chokes; before actually making one for the first time. I've read that book, about 3 others by him and many articles in old QSTs. Doug spoke to me for about 20 minutes at least, then he had to scoot for a sked with him son in CT. I spoke and corresponded with Doug about 8 times. He was always very helpful.

I told him about my thinking that RF may be on the shield and he I asked what would be better, a voltage balun, a coax choke or a W2DU bead balun. I told him I think a coax choke may work and he agreed, based on my roof, with all the metal around. He said another type of balun may not do what it was supposed to do and a choke would probably get rid of the RF if it's there. I also have another choke elsewhere to get rid of the RF in case the antenna is radiating into the line as Joe N2CX has just indicated.

Doug was one of my heros, and will always be. I too respect him and read alot. Thanks to Mike Tracy at the ARRL for always getting me info his past articles in QST. I did and do quite a lot of research at the NYC library...

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

> From: PHILLIPS RICHARD <phillips@msoe.edu>
> To: Kevin F. Glynn <kfglynn@prodigy.net>
> Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Re: The Importance of Baluns/Coax Chokes
> Date: Thursday, January 14, 1999 9:42 PM
>
>
> On Wed, 13 Jan 1999, Kevin F. Glynn wrote:
>
> > > I've made 5 different dipole wire antennas at my home location. The
first
> > did not have a balun and TVI was fun fun fun!!!
>
> A direct quote from W1FB's Antenna Notebook by Doug DeMaw:
> Page 11, paragraph 6,
> "You may hear all manner of balderdash about baluns, or you may find
> technical misstatements about them in ads and magazine articles. One
> popular hyp is that baluns can cure TVI. Or, you may read or hear that
> they can improve the efficiency of your antenna. It is best to remember
> that all transformers have some loss through them, however small it may
> be. Losses are dependent upon how well the transformer is designed and
> constructed. Also, if the balun or other broadband transformer is not
> used correctly, the losses will increase..............."
>
> I think W1FB has had a little experience also. If you want to learn more
> read the rest of his article.
> 73 Rich, AA9L

Date: Thu, 14 Jan 1999 22:23:36 -0800
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@lehigh.edu
Subject: [29757] Re: QRP 1999 Resolutions
Message-ID: <369EDEE8.5583@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I will follow the advice of Mark Twain in regards to my QRP operating
and projects: "All things in moderation- including moderation".

-72 de Chas W3KC-

Date: Thu, 14 Jan 1999 21:59:04 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [29758] NVIS on 30M Tonight
Message-ID: <369EBD08.1C229EF6@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just (0331 UTC) worked W5BK in Killeen, Texas for a distance of about 100 miles. Definitely too short for normal night time in the winter propagation. Signals were 579 both ways with rapid QSB. There appears to be a sporadic E cloud over me. I've heard a few sky wave signals on 6 meters as well but being under the E patch I think I'm missing most of the action!

I've worked this mode (NVIS) before at night on 30M but it is rare. If sporadic E propagation is present and the MUF is very high then signals as high as 30M can be reflected at normal incidence to the ionosphere even at night.
--
73,
Steve Yates
AA5TB
Fort Worth
aa5tb@swbell.net
http://home.swbell.net/aa5tb/

Date: Thu, 14 Jan 1999 23:01:59 EST
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [29759] Re: Hurry Up
Message-ID: <413ad8db.369ebdb7@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 1/14/99 5:32:11 AM Pacific Standard Time, jeffj@scott.net writes:

<< Because it's smoething I need to prove to myself. I don't take charity and
I
 would like to be viewed as an equal by others, not as a freeloader. >>

Right on!!! Thats the precise reason i went for my extra ticket now in the face of all these changes....i guess i just wanted to be one of the last to be part of the old way of getting a ticket....i took a written test, and i also passed a 20 wpm code test....before that it was another written test and 13 wpm...in 1983, it was the FCC testing me at a nervous 5 wpm. i studied hard for them, forgot a lot of the technical stuff...but i had to learn it! but im proud of this license, and if it all goes to pot...at least i can look up on the wall and say i have a ticket from the "good old days" of ham radio....oh no!!! im only 32, listen to me!!! gotta go get some therapy now....see you all in the ZL9CI pileups.

73...Adam, N7YA

Date: Thu, 14 Jan 1999 23:00:22 -0500
From: "Rob Dey" <rdey@myhost.com>
To: <qrp-l@Lehigh.EDU>
Subject: [29760] Another 38-Special on the air!
Message-ID: <199901150403.XAA08272@mail.myhost.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Hello,

Yes, one more 38S is on the airwaves!

This one has all the mods, and a half-dozen of my own, never before published (to the best of my knowledge).
I'll be posting a message with the instructions for the 5 or 6 mods in the near future.

I finished the xcvr Wednesday the 13th, and tested it today the 14th. Works beautifully!
I made the power measurement under these conditions:+13.8Vdc, +8.01Vdc, 50-ohms, (while snowing outside).
I measured 4.00W out, on 10.100-10.117MHz, and it receives nicely. Only 17kHz of tuning, but not bad for working CW when the fishing's slow!

A great little rig! Thanks NorCAL!

PS - I measured the inductance and the Q of the toroids. Here's the results if anyone needs this info!

38-Special Inductors

1/12/99 RLD KA2BEO

Symbol	L meas*	L spec	Q	Description
L1	-	6.8uH	40	Ferrite RF Choke, Coilcraft #90-23
L2	1.78uH	1.8uH	218*	20T, #26 AWG, T-37-2 core, 14" start length
L3	0.38uH	-	150*	8T, #26 AWG, T-37-2 core, 10" start length
L4	0.75uH	-	127*	12T, #26 AWG, T-37-2 core, 12" start length
L101	3.07uH	2.9uH	230*	27T, #28 AWG, T-37-2 core, 18" start length
T1 pri	0.994uH	-	77*	2T, #26 AWG, T-37-2 core, 4" start length
T1 sec	1.68uH	-	207*	19T, #26 AWG, T-37-2 core, 14" start length

* = Denotes measurement at 2.517MHz with "L leads, using a Hewlett-Packard #4342A Q-meter.

72/73,

Rob L. Dey, KA2BEO
Rob's Ham Shack
http://www.myhost.com/rdey
Point Pleasant, NJ, USA
Member: ARRL, 10-X #65539, NorCal #2249, QRP-L #1807, NJ-QRP #176, JSARS, AWA

Date: Thu, 14 Jan 1999 22:08:22 -0600
From: "WILLIAM T. ROSE" <supertec@mail.myriad.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29761] Grid dip meter
Message-ID: <369EBF36.32782D64@mail.myriad.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well Gang,
 I have been out bid twice on EBAY for a Heath kit 1250 Grid dip meter so I am giving up on EBAY. Maybe I am Just "Cheep"(Super Cheep Charlie) but things seem to go for way too much for this poor boy . So if any of You good QRPers have one that is gathering dust and want some pocket change for it , Please Email me at Supertec@myriad.net

or
KC5SCC@hotmail.com

 And now back to regular programming.....
--
KC5SCC BILL
"Deep in the Heart of Texas"
Emtech 80/20 80m & 40m ---Knightlite Smite 80m ---Pixie II 40m
Kenwood TS520 --Kenwood TS700SP 2m --Icom ic-w21at 2m/70cm
Ant. 80m Gnd Delta loop--Hamstick 40m dipole--Tucker Vub-2
Crushcraft A14820T 2m Beam

Date: Thu, 14 Jan 1999 23:07:40 EST
From: JCoote@aol.com
To: qrp-l@lehigh.edu
Subject: [29762] SGC-2020 Comments??
Message-ID: <6adf53e.369ebf0c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone have comments on the SGC-2020 HF portable?

Jay Coote, W6CJ
Los Angeles

Date: Thu, 14 Jan 1999 23:13:18 -0500
From: "Rob Dey" <rdey@myhost.com>
To: <qrp-l@Lehigh.EDU>
Subject: [29763] Cases for various NorCal rigs
Message-ID: <199901150411.XAA08553@mail.myhost.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello,

I've used the RadioShack #270-211 $5.29 case for a 40-9er, and a RadioShack
#270-214 $8.79 case for a 38-Special. However, I haven't found a commercial
case for the Tixie transceivers. I found a "Barbie candie" tin box that
would enclose it nicely, but I prefer a commercial product as a first
choice. Especially, since it would be nice to have all of my rigs matching

by using a similar Pac-Tec (from RadioShack) box as mentioned above.

Does anyone know of a suitable enclosure for the Tixie rigs?

Thanks in advance.

72/73,

Rob L. Dey, KA2BEO
Rob's Ham Shack
http://www.myhost.com/rdey
Point Pleasant, NJ, USA
Member: ARRL, 10-X #65539, NorCal #2249, QRP-L #1807, NJ-QRP #176, JSARS, AWA

Date: Thu, 14 Jan 1999 21:23:19 -0700
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [29764] RE: Frequency counter probe question
Message-ID: <5103124387F8D11199DD00A0C925E4B9062952@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

>>Is there any reason why Scope probes should not be used with frequency counters?<<

Definite maybe. You have to understand what is going on before you can decide. It depends on the input impedance of the counter, the source impedance of the signal, and the frequency of interest.

First, using a high impedance scope probe will not cause your counter to miscount.

Many counter inputs are low impedance. Using a high impedance scope probe on a low Z input will cause a large loss of amplitude and distortion of the wave. The distortion is usually not an issue, since the counter only cares about frequency. The loss of amplitude may prevent you from triggering.

Using a 1:1 probe on a high impedance input will add quite a bit of capacitive loading to the circuit. If the source impedance of the circuit test point is high, this will seriously degrade high frequency sensitivity.

See QST July '76.

Date: Thu, 14 Jan 1999 23:25:24 -0500
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-L@LeHigh.edu>
Subject: [29765] RE: NVIS Tonight on 10 mHz
Message-ID: <011801be403f$137f9c00$04000a0a@nwarfiel.usf.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Absolutely... the Es cloud should had been located right overhead of your station... it had a critical frequency equal to or higher than 10 mHz of course...
That's why you worked the station only 100 miles away on 30 meters , a very unusual phenomena !
There were several openings on 50 mHz tonight... at 0230 CO2WW in western Cuba was reporting a Mexican Ch 3 TV station coming in strong at his Artemisa location.... indicating an oblique incidence propagation of no less than 66 mHZ (he was getting the audio too, which is at 65.75 mHz...
73 and enjoy NVIS amigo in Texas
Arnie Coro
CO2KK

Date: Thu, 14 Jan 1999 20:32:59 -0800
From: David Fifield <fifield@pacbell.net>
To: qrp-l@lehigh.edu
Subject: [29766] RE: What makes a QSO?
Message-ID: <369EC4FB.695A3DE4@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

What really *makes* a QSO for me is one of two things:

1. The other ham is blown away to find out that I'm QRP, or
2. I find that the other ham (DX) is a QRP'er too!

;-)

72 2 u, Dave Fifield, AD6A

Date: Thu, 14 Jan 1999 23:36:16 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <JCoote@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29767] Re: SGC-2020 Comments??
Message-ID: <199901150437.XAA12899@fh106.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jay,

I worked a guy with one the other day. He was very proud of it, so I
didn't tell him his code sounded terrible because there were key clicks and
chirp at the same time.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

>
> Anyone have comments on the SGC-2020 HF portable?
>

Date: Thu, 14 Jan 1999 23:44:53 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [29768] FOX - rough tonite
Message-ID: <369EC7C5.6CD3A4C6@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dan, N7CQR, in Oregon has great ears! Band conditions here
in SW Florida this evening were unusually bad. There was/is a strange,
loud
BUZZZZing sound on 40. Wonder if it exists all over the U.S.?
Couldn't hear Dan from 0300 to 0400, but heard many, many hounds
get a pelt, including many pesky Texans - as always.

Very clearly heard Dan in Va., N4ROA, grab his
pelt few minutes ahead of me. I was fortunate to catch Dan at
0411 because very soon thereafter he slid back down into the mud.
It's always fun to work Oregon QRP from Florida, but it's
even better when the QSO adds a FOX's pelt!
Best regards to all. Tom, N1TP, Naples. QRP-L #1317.

Date: Thu, 14 Jan 1999 22:47:11 -0600
From: Lee Bahr <bahr521@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [29769] Re: SGC-2020 Comments??
Message-ID: <369EC84F.D351D266@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you want a toy save your money and buy MFJ. If you want a real QRP
rig buy a EleCraft K2. If you don't want to build a rig and don't care
about current draw buy a used rig from the big three mfg used. If you
don't care how well the radio works but you want to drop it from the
Empire State building and have it survive, buy a SGC-2020. Lee Bahr
w0vt rJCoote@aol.com wrote:
>
> Anyone have comments on the SGC-2020 HF portable?
>
> Jay Coote, W6CJ
> Los Angeles

Date: Thu, 14 Jan 1999 23:48:11 EST
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [29770] what, me hurry?...a politically correct opinion, lol
Message-ID: <a1c8e066.369ec88b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 1/14/99 9:21:45 AM Pacific Standard Time, we6w@juno.com
writes:

<< We are each unique and deserving. Class is not status,
 it is access. I will enjoy coffee as much with a novice
 as an extra, rich or poor. >>

oh great!! i just get through ranting about code testing...only to be riddled by bullets of logic from the very well aimed keyboard at Ed's place!
 ok, well....um....let me clarify (bear with me, its a political tactic i learned while working on campaigns....its called "backstepping"), "As we stand steadfast at the brink of advancement in this great hobby, i wish to heartily endorse the views expressed by Mr. Lorranger. Though i still ardently support the code testing requirements, I believe it is important that we all join together in this trying time to bring about unity....in the face of change"....uh..how did i do?
 ok, ok, what Ed said was really solid...enough for me to post this political satire during a time of political unrest....im mischevious like that. :-) but it was a great post....and Ed usually comes up with doozies. ill leave you with this, it has never mattered to me what class anyone is...especially on the air. when i meet a ham for the first time on the street, i never say "Hi, im Adam, N7YA...then look them up and down and think to myself <gee, he looks like a tech-plus>....i cant tell !!
 If any of you ever met me in person, you would find me to be very amiable, i get along with everyone. i would expect the same from anyone...regardless of license class (or should i say 'level'). so lets post our peace, get it all out in the open...and come together as friends, shall we? and remember me at the polls in november....just kidding, uugh...politics?....PUKE!!!

73...Adam, N7YA

Date: Thu, 14 Jan 1999 23:59:13 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [29771] WOW -- I just worked South Africa 2-way QRP!!
Message-ID: <369ECB20.F0F1ACB2@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I just worked ZS6KO, Bill in Pretoria, South Africa. He was at 5 watts to a 2 element yagi. I was 3 watts with my GM-20 to my vertical 20m wire dipole. I received him at 339 on 14.014 at 0435Z, 1-15-99.

72,

Jake Carter -- N4UY
Vienna, VA (DC suburbs)

WAS/QRPp w/c 17/16 on a Pixie,
 MRX-40, & 40m wire dipole

"The harder the conflict, the more glorious the triumph.
What we obtain too cheap, we esteem too lightly."
Thomas Paine -- 12/23/76

Date: Thu, 14 Jan 1999 22:59:52 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: n1tp@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29772] Re: FOX - rough tonite
Message-ID: <369ECB48.87A6022@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yeah, Tom, I had the same rough noiselike background sounds. But, Dan
was clearly readable here in North Central Texas and managed to pick me
up after a couple of calls - thanks, Dan! Noise was the same (bad) on a
vertical, EDZ and horizontal loop, as well as the multi-dipoles (80
through 30) in the attic! Sure makes you appreciate the 500 and 250-Hz
filters, the noise blanker and the NIR-12 filters!

72/73, George
Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

Tom Palmer wrote:
>
> Dan, N7CQR, in Oregon has great ears! Band conditions here
> in SW Florida this evening were unusually bad. There was/is a strange,
> loud
> BUZZZZing sound on 40. Wonder if it exists all over the U.S.?

Date: Fri, 15 Jan 1999 00:09:24 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: jakecart@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [29773] Re: WOW -- I just worked South Africa 2-way QRP!!
Message-ID: <369ECD84.41091A09@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There's no doubt about it: The bands are getting better
and better. 1999 is going to be a GREAT year for DX!
Tom, N1TP, Naples, FL.

"John L. \"Jake\" Carter" wrote:

> I just worked ZS6KO, Bill in Pretoria, South Africa. He was at 5 watts
> to a 2 element yagi. I was 3 watts with my GM-20 to my vertical 20m
> wire dipole. I received him at 339 on 14.014 at 0435Z, 1-15-99.
>
> 72,
>
> Jake Carter -- N4UY
> Vienna, VA (DC suburbs)
> WAS/QRPp w/c 17/16 on a Pixie,
> MRX-40, & 40m wire dipole
>
> "The harder the conflict, the more glorious the triumph.
> What we obtain too cheap, we esteem too lightly."
> Thomas Paine -- 12/23/76

Date: Fri, 15 Jan 1999 00:14:22 EST
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [29774] Re: What makes a QSO?
Message-ID: <3839a6aa.369eceae@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 1/14/99 11:38:07 AM Pacific Standard Time, jeffj@scott.net
writes:

<< n the course of my three HF CW QRP contacts, I have been wondering
 > how much you must receive to count it as a QSO. I'm also wondering how
 > the prosigns (AR, BT, etc) are used. TNX.

This is a good question and one I'm also interested to know the answer to. >>

well, in the dx world, only the signal report is required for it to be legit and worthy of a card. everyone has an opinion on this, mine is if the guy wants to just exchange "5NN TU"...do it!! because he is trying to give everyone a shot at a new one...and ragchewing would cause an on-air riot, especially as the band starts to change and some folks start to lose him. besides, it will be good for a card, and there will always be someone around the next turn of the dail to sit and have a meaningful chat with.

we all get pleasure from our hobby in many different ways, whether its just copying a call (a few dx stations are finding even this to be acceptable), to long ragchews, where everything under the sun is exchanged. listen to the situation and judge for yourself...what is the guy your working consider to be complete? what did he give you? besides, if you get a card back...its a good qso!!

as far as the prosigns go, AR is usually sent at the end of your transmission...its your call on that, but the other guy will hear it and get ready to respond due to its familiarity. BT to me is roughly translated into...'hang on, im buying some time here'. its the code equivalent of "uuuuh". i use it when i get hung up on whether to tell the guy about my rig, or my WX. BT = hmmm...uh, hang on. SN means 'ok, cool...here i go', i hear it most when guys call qrl on a clear freq, get nothing, then go SN CQ CQ etc. SN = i guess i have the floor. AS is simple, AS means 'hold your horses!!' or please stand by. depending on why the op is sending it...could be used in an unruly pileup or just to have someone wait a sec. AS = stand by. i hope some of this helps a little.

73...Adam, N7YA

Date: Fri, 15 Jan 1999 00:25:02 EST
From: RangerSF5@aol.com
To: w5yr@swbell.net, qrp-l@Lehigh.EDU
Subject: [29775] Re: FOX - rough tonite
Message-ID: <c80d141.369ed12e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-01-15 00:07:43 EST, w5yr@swbell.net writes:

<< Subj: Re: FOX - rough tonite
Date: 99-01-15 00:07:43 EST
From: w5yr@swbell.net (George T. Baker)
Sender: owner-qrp-l@Lehigh.EDU
Reply-to: w5yr@swbell.net
To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)

>>

I also heard that noise here in NJ.
At times is sounded like unstable power line noise.
I used the RS unit anong with one of the MFJ CW filters.
Sure cleand things up.
The funny or strange thing here was stations,w3's and w4's were booming in at
10 over *S* 9.
But all the W5's and other mid west stations were buried under the strong
stations.
I listened for a while and they did not seem to be bothered by the strong
stations.
Still no fox here.
72/73
Bob
WA2HOQrp <tm>

Date: Fri, 15 Jan 1999 05:41:56 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29776] Re: FOX - rough tonite
Message-ID: <369ed3e7.127190335@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Fri, 15 Jan 1999 00:25:02 EST, RangerSF5@aol.com wrote:

>The funny or strange thing here was stations,w3's and w4's were booming =
in at
>10 over *S* 9.
>But all the W5's and other mid west stations were buried under the =
strong
>stations.
>I listened for a while and they did not seem to be bothered by the =
strong
>stations.
>Still no fox here.

There was a cold front running pretty much from Detroit to Cincinatti to
Nashville to Birmingham ... Wonder if that impacted propogation?

My antenna is (seemingly) going south on me ... I'll have to get =
something
else up to accurately get in the hunt. Nice thing is that I'm within 20 =

miles
of 5-land (Arkansas and Mississippi) and within 100 miles of 0 land =
(Missouri
Bootheel). We get all of the above, plus the occasional 9-lander from
Southern Illinois just on the local repeater network!

I'm considering getting a thin wire with an equal counterpoise that I can
unreel at will, or toss over the roof of the 2-story apartment building, =
just
to see what will happen. Trouble is, I need reasonable matches to let =
the
autotuner do it's thing. Also requires coax feed. Oh well, we'll think =
of
something. I wish the apartment manager didn't live upstairs! I'd get
creative and run coax out to the Hustler on my car bumper!
--
72 es 73 de Marty, KM7W
_____=

Memphis, Tennessee =
http://home.earthlink.net/~mwattcpa
 VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"

Date: Thu, 14 Jan 99 23:49:53 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [29777] Elmer200: 19990114 Reading, Writing, and Arithmetic
Message-ID: <199901150545.AAA57462@nss4.cc.Lehigh.EDU>

OK Boys and Girls,

Get a Diet Coke or other non-alcholic beverage 'cuz you
need the caffeine and all the brain cells for this little
exercise. :-) ;-) You can do this (Jurassic Park).
You will also need a scientific calculator. Here a slide
rule will be almost useless.

READING:

ARRL HB 1995 or later: Chapters 4, 5, and 6 should not be
 strangers to you at this time.
Solid State Design Book referenced below.

Paul Harden's book see the section on toroids.

WRITING:

Get you notebook that you are keeping all this stuff in and draw the equivalent circuit for a crystal. Label the series components R(m), C(m), and L(m) or if you prefer use R_m, C_m, and L_m to denote the lower case m as a subscript. The other cap call C_p. If you have Wes Hayward's "Radio Frequency Design" book see page 101-108 or the SSD book see page 85.

ARITHMETIC:

Glen L., VE3DNL, gave us some values that he kindly measured in the lab for a 4.0MHz computer crystal. The values were

R_m = 48 ohms
C_m = 8.035114fF where f is femto
L_m = 0.1971H or 197.1mH
and
C_p = 3.5pF

We are going to use these values in the folowing exercise or quiz if you wanna call it that.

QUIZ TIME:

(1) Using C_m and L_m, what is the series resonant frequency?

(2) At this frequency what is X(C) and X(L), i.e. the reactances?

(3) At this frequency what is the Q of the crystal?

(4) Is 0.1971H (197.1mH) a relatively large value of inductance?
 HINT: could you wind a T50-2 toroid with wire to get this value?
 How many turns? See NA5N's book or ARRL HB for the A_n values
 to calculate the number of turns needed.

(5) Why do we want a small value for C_m?

(6) Why do we want a large value for L_m?

(7) Why do we want a small value for R_s?

(8) If we were to use a cap and toroid to get a desired LC circuit,
 how would (6) and (7) interplay? List the tradeoffs?

(9) If you did the single crystal frequency sweep curve using SPICE,

can you check your values in (1)? Just narrow the starting and ending values until you home in on the peak of the curve. Do this.

(10) Why is the parallel resonant frequency higher than the series resonant frequency? ***THIS IS A NON-TRIVIAL QUESTION****

See the following post about the computer issues. Not necessarily related to this post.

dit dit es gl

--
Chuck Adams K5FO adams@ticnet.com CP-60
http://www.ticnet.com/k5fo

Date: Thu, 14 Jan 99 23:56:54 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [29778] Good News/Bad News Propagation
Message-ID: <199901150551.AAA18260@nss4.cc.Lehigh.EDU>

Gang,

I was wondering when the issue would come up.

Daily or around this time (midnight CST) I run over to

http://www.dxlc.com/

and look at the chart. The SF bottomed out (good news) around 110 or so (remember last year when we were thinking things were looking up when it hit 90?). The bad news is the A-index hit over 20 and is climbing. See Paul Harden's (NA5N) previous posts on what all this means.....

FYI

--
Chuck Adams K5FO adams@ticnet.com CP-60

http://www.ticnet.com/k5fo

Date: Fri, 15 Jan 99 00:33:26 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [29779] Elmer2XX: Issues on software and O/S and books
Message-ID: <199901150628.BAA94334@nss4.cc.Lehigh.EDU>

Gang,

I have chewed up some serious time on the internet working
with software. Several reasons for this. And I am talking
about 40+ hours connect time over the past two weeks or so.

I have a Epson Stylus Color 600 printer that I had used previously
just to print postcards and some QSLs. This was using the UNIX SGI
system that I have. Worked great and I used my own software to do
it, so didn't need the Epson CDs and in the time period of the last
year I lost them. Guess the move was more damaging than I thought.
 :-) And this was only 8 miles or so, not out of the state of TX yet
so stop the rumors, please.

Anyway, I spent about 15+ hrs trying to download the drivers from
Epson and kept getting errors in the file. I finally tracked this
down to a bug in Netscape. So over to Netscape and downloaded the
latest and greatest version. Well, wouldn't you know it when it
came up it asked me if I wanted to keep the previous stuff and I
answered yes - It lied!! It completely blew away my bookmarks.
Not a happy camper here as this was 6 months of surfing and I didn't
have a hard copy...... So had to go back across the internet and
do the best I could to regroup the SPICE pointers, etc. What a
waste of time.

But finally got the printer up and running, etc. Let me tell you
that Dave Fifield's Spectrum Analyzer plots come out looking perfect!!
Thanks Dave and thanks EPSON.

Also, for those of you running SPICE3, if you have a good printer
hooked up and the right drivers, the graphs will look great. Now
I have to work on getting EZNEC back up and running, if possible,
with the printer.

I still have a system, AMD K6 at 233MHz, that just goes and locks
up at least once a day and I can't figure out why, but I can live

with it as long as I don't lose anything. It's just a pain is all.

OK, today the critter killer came and I had to leave the house for
two hours. Those of you that complain about the winters you have
or are having just don't know what not having a winter does to the
critter population.... :-)

So I went to a place here in Dallas called the Micro Center to check
on some books. Someone asked me if I could recommend a single book
for the SPICE series. I looked and I would say that the SPICE by
Roberts and Sedra is most apropos for some radio amateur simulation.
ISBN 0-19-510842-6

I went surfing and Barnes and Noble has it for $27 and amazon.com
has it for around $29. B&N says 3-5 weeks for delivery and amazon.com
says a special order. bookpool.com didn't have it in their inventory.
Shop around. Check your local stores and especially University
Book stores where you have a large EE department. Just my hints
and kinks for today. But let's make sure you have a late copy of
the ARRL HB first. It is the most important book that I have for
ham stuff. The two books by Wes Hayward are next on the list.
Wes does good work (OK if I use the first name Wes?) and I'm positive
that his new book will be even better......

I stopped at FRY's on the way home. Got a question for you LINUX
gurus out there. Two Redhat 5.2 versions, one in blue box named
the 'official' version and another called the 'delux'. Both at
$39.95. Box inventory did not help at all. Which one do I want?
I think both is going too far, don't you? Help is appreciated and
let's take it offline. I will need advice on BIOS stuff. Gotta
remember I played with more costly systems.

So I have managed to kill off a couple of weeks here with trying
to keep the system happy. I now have a Collasus (sp?) and Guardian
serial link to transfer files larger than a HD floppy over to the
SGI system. Oh, the trials and tribulations of the human spirit....
But I now have the CDROMs done and on the way to those that sent
me same. Hope the wait/delay is worth it. Film at 11 as they
say.

FYI

--
Chuck Adams K5FO adams@ticnet.com CP-60
http://www.ticnet.com/k5fo

Date: Fri, 15 Jan 1999 01:42:37 EST
From: we6w@juno.com (Ed Loranger)
To: wphinizy@connect3.com
Cc: qrp-l@Lehigh.EDU
Subject: [29780] Re: Frequency counter probe question
Message-ID: <19990114.223822.8103.3.we6w@juno.com>

Bill, unless you know for certain that your frequency
counter can handle the weaker signal provided by the
10:1 probe, I will bet that the problem is
only that the signal was too weak to properly drive
the frequency counter.

On my frequency counter it registers lower when the
drive is less. But the transmitted signal is
right on.

It would be interesting to measure what the LO voltage
p-p is and what the counter requirements are. Then take
a look at what 1/10th the LO voltage is and whether the
counter can appropriately measure it.

Hope this is useful. -Ed
72, Ed WE6W QRP-Z#106 -L#1068, AR Millennium QSO's=123/2000
http://www.qsl.net/we6w Radio, everyday in Santa Rosa, CA
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 14 Jan 1999 22:44:14 -0800
From: "Steve Miller" <kg7pv@hevanet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29781] Re: FOX - rough tonite (I was there!)
Message-ID: <004201be4052$b81c2220$8d3ca3ce@kg7pv>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Tom and the gang,

I was privileged to be at the fox's den tonight for the hunt and you had a fine sig! What a treat to be able to listen to all the hounds. Dan was especially glad to get you and the few other FL hams and East coast stations. You are right, Dan does have great ears.

I must add that doing 2 hours of "head copy" - the whole fox hunt tonight is great CW practice. You guys did a super job for Dan. The sigs from OK were pounding in and of course TX and CO were well represented. If I only could have had another rig there so I could have worked him! BTW, the noise in Portland tonight was average, not too bad. 72

Steve Miller kg7pv@hevanet.com
Portland,OR

Norcal #308, ARCI #9230, QRP-L # 109

Date: Fri, 15 Jan 1999 00:42:15 -0800
From: talljazz@teleport.com (Dan Presley)
To: qrp-l@LeHigh.edu
Subject: [29782] fox N7CQR
Message-ID: <v0153050eb2c4ac9efb48@[216.26.2.44]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks everyone for the fun! Also, thanks to KA7OZO for lending his shack and 40M rotatable dipole, logging, and feeding me! Dave (OZO) is a prince of a guy, and my goal is to get his code speed up to move him out of the novice band-any room for more novice foxes on the schedule? Also thanks to Steve, KG7PV for helping to listen for calls and tips on the Corsair II-this was fun. Apologies to all for my balky memory keyer; it's the built-in one on the T-T, and my homemade switchbox that controls it was acting up again. Sometimes when I punched it to send the exchange it would freeze for a couple of seconds and then take off, burying the exchange from the hunters. Didn't come anywhere near my goal, but still had fun-51 qsos of which 90% were in the first hour. My last was with Ori, AC6AN, designer of the 38 Special, who wandered across me at the very end! I even got a few Florida guys, so despite shifting propagation I had a good time. Log to follow.
Dan N7CQR-Portland, Or

Date: Fri, 15 Jan 1999 09:54:53 +0100
From: Norbert Heyder <norbert.heyder@ri.dasa.de>
To: "QRP-L (Message Liste)" <qrp-l@lehigh.edu>
Subject: [29783] How audio bandwidth of the NC40A can significantly be reduced
Message-ID: <369F025B.DC41ABA7@ri.dasa.de>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

following is a mod for the NC40A, easily to be done within the coming weekend:

I always felt that the common LM386 application circuit in the NC40A (U3)
gives too much bandwith for CW mode.

After a few trials I found a simple modification to configure U3 in a way that
converts this audio stage into an impressive CW-audio-bandfilter without loosing gain.

Simply change the values of 2 capacitors and 1 resistor and insert 1 additional
capacitor:

- change C27 from 100uF to 47uF (no need of bass)
- change C55 from 0.01uF to ~0.022uF (exact value should be tweaked to the desired filter frequency)
- change R22 from 1.8k to ~2k (first choose a trimpot with 4.7 k range to be replaced finally)
- additional capacitor 10uF from U3/pin1 to U3/pin7 (+pole to pin7)

The above combination gives ~470Hz resonance and is stable within the useful
voltage supply range for the NC40A.

The combination C55/R22 determines the filter's frequency of resonance and the gain.
approximately: $Fr = 1 / (2*Pi*R*C)$

Vary R22 to adjust mainly the gain. I find out ~2k to be ok - it is just right before the
audio stage begins to oscillate. The exact value may differ a bit from

rig to rig.

Vary the value of C55 to adjust mainly the frequency of the
audio-bandfilter.
Increasing C55 decreases the filter's frequency.
If you can/have try several capacitors with the same value printed on -
the real
values of most capacitors like to spread very much.

In case you reduced the IF-Bandwidth (reduce values of C10, C11, C12, a
mod suggested in the
manual) it is necessary to re-adjust the BFO with C17 to let the
CW-Audio-Tone
fit right into the sharp bandwidth of the "CW Audio Filter". I reduced
all 3 capacitors to 660pF.

After this mod you will be impressed what comes out of the phones!

72 de Bert, DL8BDF

Date: Fri, 15 Jan 1999 06:09:23 -0600
From: FaithD@mail01.dnr.state.wi.us
To: tentec@contesting.com
Cc: qrp-l@lehigh.edu
Subject: [29784] Argosy 525 Sold
Message-ID: <54F85D7F6DE2D01184EF0000F8049535CCD7E1@MAIL04>
MIME-Version: 1.0
Content-Type: text/plain

The Argosy 525 has been sold.

73 (es 72) de N9WR, Don C. Faith III

Date: Fri, 15 Jan 1999 07:28:03 EST
From: Shephed@aol.com
To: qrp-l@lehigh.edu
Subject: [29785] Re: FOX - rough tonite
Message-ID: <63221430.369f3453@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 1/14/99 11:47:26 PM Eastern Standard Time,
n1tp@worldnet.att.net writes:

> Dan, N7CQR, in Oregon has great ears! Band conditions here
> in SW Florida this evening were unusually bad. There was/is a strange,
> loud
> BUZZZZing sound on 40. Wonder if it exists all over the U.S.?
I heard it here in Ohio too Tom. I thought at first it was local noise in the
house, the XYL was giving me a real funny look as I went through the house
turning off everything. :-)

No luck here for Dan, man I'm on a real dry spell....

72, 73
Dan, N8IE

Date: Fri, 15 Jan 1999 12:37:49 +0000
From: "Walter D. Amos" <waltk8cv@surfree.com>
To: Qrp-l Reflector <qrp-l@lehigh.edu>
Subject: [29786] sgc-2020 again
Message-ID: <369F369D.911183BD@surfree.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Group

I worked one and If he hadn't told me it was an SGC-2020 I would have
never known. Sounded just fine on my end, just like a brand new Omni6 +
for all I could tell. He sure seemed to like it.

Walt k8cv

Date: Fri, 15 Jan 1999 08:36:28 -0500
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29787] Re: qrp 1999 resolutions
Message-ID: <199901151346.IAA10965@fh105.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I resolve to operate ONLY QRP... easy since I don't own any QRO equipment.
I also resolve to work ONLY CW, for the same reason!

Date: Fri, 15 Jan 1999 14:58:55 +0100
From: Alen Mitrovic <alenm@hermes.si>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29788] Need new dxcc country?
Message-ID: <7519EA69A7D4D111916400A0C955EF61C4BE5C@hal9000.hermes.si>
Mime-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Fellows Qrp-ers!!

If someone would really like to make QRP QSO
with S5, please let me know. We can arrange QSO on
20, 15, or 28MHz. It is only possible during weekends.
I will try to run QRO and TH7DX.

73 de Alen / S53MA

Date: Thu, 14 Jan 1999 15:22:10 -0500
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [29789] QRP Enthusiast in Lithuania
Message-ID: <369E51F2.4702@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sometime ago there was a posting about someone working LY2FE. Well, on
January 1st, at 1535 UTC, I heard "CQ CQ CQ QRP de LY2FE/QRP" on 21060
KHz. I worked him! Next day I mailed him my QSL. His QSL card
confirming a 2-way QRP QSO arrived yesterday with a note. The LY2FE/QRP
card is a nice color job stating that his rig is homebrew (5 watts),
based on RA3AO design; 200-meter long wire for 1.8 - 14, 4el Yagi for
21, and 3el Yagi for 28. His address is:

 Vitas Krasnickas
 p.d. 1022

Klaipeda LT-5814
Lietuva (Lithuania)

The following is a traslation of his note:

> "It was a pleasure to hear you speak Lithuanian from America, and especially while working QRP! QRP is not a popular hobby in Lithuania. There are only several hams working with a power of 5 watts or less; therefore, you hear them very infrequently.
>
> I am using a homebrew transceiver built according to RA3AO schematic. The parts were collected in the city of Kaunas. The antenna is a 4 el Yagi which I completed just befor CQ WW DX contest. I live in the city of Klaipeda, in a new section of town. The location is not 'clean' and there is a lot of interference, so I had difficulty in copying you.
>
> It will be a pleasure to meet you again. The conditions should be better therefore we may be able to have a more extensive QSO.
>
> Have a good year and lots of DX with 5 watts!
>
> 73, Vitas"

So there you have it - another overseas QRP enthusiast. He seems to know QRP calling frequencies. Look for him.

73 de Joe, K3CHP, Riverdale, MD

Date: Fri, 15 Jan 1999 08:35:10 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Tom Palmer <n1tp@worldnet.att.net>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29790] Re: FOX - rough tonite
Message-ID: <Pine.LNX.3.95.990115083046.12714E-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I heard the buzzing sound here Tom...it was very bad until I switched in the noise blanker....without that NB I wouldn't have heard Dan at all... also the bad in general was filled with signals of all sorts, buzzing and many other wierd sounds...all part of the game eh!?!

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
 A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
 "QRP! How sweet it is!"

Date: Fri, 15 Jan 1999 06:48:33 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [29791] HW-9 FS ON EBAY
Message-ID: <19990115144833.10524.rocketmail@send203.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

There is a Heath HW-9 currently for sale on ebay, item number
55952465. Current bid is $152.50, which has not met the reserve
price. I don't know the seller, and have no connection whatsoever
yadda, yadda, yadda Just thought I'd pass it on.

Oh, well.

72's es 73's,

Brad, W5CGH

==
Brad Bradfield, PE W5CGH Systems Engineer
(ex WB0CGH) Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377 SMIRK #4906
ARS #72 Austin QRP Club #e

DO YOU YAHOO!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Fri, 15 Jan 1999 06:54:02 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>

Subject: [29792] Re: Good News/Bad News Propagation
Message-ID: <19990115145402.8882.rocketmail@send103.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

---Chuck Adams <adams@ticnet.com> wrote:

> Daily or around this time (midnight CST) I run over
> to
>
> http://www.dxlc.com/
>
> and look at the chart. The SF bottomed out (good
> news) around 110 or so (remember last year when
> we were thinking things were looking up when it hit
> 90?). The bad news is the A-index hit over 20 and
> is climbing. See Paul Harden's (NA5N) previous
> posts on what all this means.....

I check this chart every day. Excellent line graph of the sunspot number, solar flux and A index!

I was on 40 meters last night. Real funny conditions. Very noisy (A index of 20 wonder why). All of sudden there were a bunch of signals and then poof all gone except for a couple of real strong ones. Scratched my head and thought oh well time for bed. 8-)

Jeff

==
Jeff Jones
AB6MB
NorCal QRP Club #65, QRP-L #1780
CW Forever!!!
Ghost Hunter
Owner of the Delta MudCats fantasy baseball team
Long live Manchester United and the Oakland A's!!!!!!

DO YOU YAHOO!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Fri, 15 Jan 1999 10:08:05 -0500
From: DNT1@daimlerchrysler.com
To: n1tp@worldnet.att.net

Cc: qrp-l@Lehigh.EDU
Subject: [29793] Re: FOX - rough tonite
Message-ID: <052566FA.005324FA.00@lngodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Tom, N1TP wrote:

> Dan, N7CQR, in Oregon has great ears! Band conditions here in SW Florida
this evening
> were unusually bad. There was/is a strange, loud BUZZZZing sound on 40.
Wonder if
> it exists all over the U.S.?

I sure am glad to hear that someone else was hearing this, I was running around in the shack turning everything off trying to make it go away! I tuned around a bit in USB after bagging Dan (thanks Dan, super ears!) and did find a fellow around 7.046 but he was very weak. The buzzing sounded strongest at 7.040 & it was there no matter what mode I switched to. It's hunts like this that make you glad the Fox season is half over!

72,

Don T. AI4CW QRP-L#1670 ZOMBIE#528 QRP-ARCI#9856 FISTS#4473 Toney, AL

Date: Fri, 15 Jan 1999 10:15:11 -0500
From: "Franco, Nicholas J" <franco@bnl.gov>
To: qrp-l@lehigh.edu
Subject: [29794] FOX: INHF on Long Island
Message-ID: <7F3D7334ABE6D11196F500A0C9B426B65A4C49@exchange.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Well that was a dissappointing bust for me on L.I. Narry a glimpse the full two hours and the second hour was worse than the first. I may have heard a peep if it were an hour earlier start time, but nothing here. For you who study the propagation, L.I. couldn't hear Oregon last night between 0300-0500Z.

In fact the only good signal in the hunt was good ole Doc - K0EVZ banging away in the frey. Nice sig Doc. I only wish I was home on Tuesday to work

you as the Fox. I missed that hunt by a hair. I got home at 11:00 EST on the button and flew to the shack with my coat on but just missed all the action. I even left my wife in mid-sentence in the car as soon as we pulled into the driveway and ran to the shack, but I think the clock in the car is about 3 minutes slower than the hunt cuz it was over.

Great day to all es 72,

Nick - kf2ph . .

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov http://www.rhichome.bnl.gov/People/franco

Date: Fri, 15 Jan 1999 09:29:55 -0600
From: Ed Manuel <n5em@flash.net>
To: qrp-l@lehigh.edu
Cc: k5oe@amsat.org, w5acm@amsat.org, amacalli@danielind.com
Subject: [29795] Overload on RS12/13
Message-ID: <3.0.5.32.19990115092955.00910100@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I saw the question on operating RS12/13 and immediately went to a friend who has a lot of experience with this bird. I got responses from Andy MacAllister, W5ACM who has been Vice Present of User Services for Amsat for a number of years and from Jerry Brown, K5OE another Houstonian who operates RS12/13. Quoting from Jerry's note:

"I had the same problem as you with 15 m overload of my old HTX-100. I tried lots of combinations, but the one that fixed the problem completely was just as Andy said: separate the antennas and use opposite polarization. I use a 15 m vertical out on the back fence and a horizontal dipole for 10 m downlink on the roof at about 35'. They are about 50 or 60 feet apart and the isolation is 100%, even at 100 W, although I find 20-50 usually more than enough on RS-12/13 except under the most severe of daytime skip conditions.

I did note that keeping the swr down on the 15 m antenna is important.

Mine is simply about 13' of aluminum tubing and a pair of elevated radials run horizontal along the fence top." K5OE

And Andy's note:

"Interesting note on the SWR ! I used a mag-mount 15-Mtr Whip on some of my fishing trips to Lake Livingston. It has SWR up to 2.5:1 at times, and it has NOT been good, BUT the 15-Mtr rotatable dipole I made before FD-'97 was set up for 1:1. It has, now that I think about it, been excellent, i.e. no problems with the 10-Mtr downlink." W5ACM

So, to summarize:

1. Keep the polarization different, one horizontal, one vertical.
2. Keep them separated as much as possible, preferably greater than 50 ft.
3. Keep the transmitting SWR very low on 15 meters.
4. Use the lowest power possible for an adequate uplink signal
 (but you already knew that :-)

Enjoy.

72

Ed Manuel, N5EM
Houston, Texas

n5em@amsat.org
atv@cq-vhf.com

Date: Fri, 15 Jan 1999 08:41:57 -0700
From: Dave Ek <ekdave@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [29796] qrp qso w/AO-27: suggestions for backpack UHF ant?
Message-ID: <3.0.6.32.19990115084157.00798770@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Here's a question a bit out of the qrp mainstream but qrp-related nontheless. For FD this year I'm planning to be backpacking again. While

I'm out, I want to try a satellite qso with AO-27 with a couple of HT's (hey, it's worth extra points). Anyone have suggestions for a directional UHF antenna for the downlink that's portable enough for backpacking? My first thought is a two-element quad. Might need to construct a preamp, too. Seen any good plans?

(Any other satellite qso ideas achievable with backpacked qrp equipment would be welcome, too.)

72 de Dave AB0GO
Colorado Springs

Date: Fri, 15 Jan 1999 10:59:04 -0500
From: n3aaz-qrp@juno.com (John R Kirby)
To: qrp-l@Lehigh.EDU
Subject: [29797] Balun 101
Message-ID: <19990115.105929.-69253.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Case for balun (case for no balun follows);

Efficiency expressed as a percentage;
Example, you are taxed 25 cents on the dollar.
Your buying power (efficiency) equals (not tax) divided by (not tax + tax) or
Eff = NT / (NT+T) or
75 / 100 = 0.75,
the buying power of that dollar was 75% efficient.

Question) How does that example relate?

Answer) We are working with ratios and talking about power and about gain or loss
and for a better idea of what to expect in terms of signal strength and that example can be expressed in terms dB (with respect to $1),

Eff = 10 log (NT/(NT+T))
10 log (75/100)
10 log (.75)
(10) X (-0.125) = - 1.3 dB per $ buying power.

Now, with respect to antenna radiation power;

The efficiency of an antenna can be expressed as the ratio of radiation resistance (RR) to total resistance (RT), Eff = RR / RT, but wait there is a tax in the form of loss resistance (RL) such that RT equals RR + RL.

Lets write all that in the form of a very friendly equation (from above), Eff = RR/(RR+RL), and assume, the radiated power (Pr) from a taxed antenna relative to a loss less but otherwise identical antenna expressed in dB,

Pr = 10 log (RR / (RR + RL))

Plug in some values, for example;
Pr = 10 log (36 / (36 + 29))
Pr = - 2.6 dB referenced to an almost perfect but identical antenna.

Conclusions;
1) For a fixed value of RL, the higher the value of RR the better the antenna efficiency.
2) For a fixed value of RR, the lower the value of RL the better the antenna efficiency.

Question) Will a transformer "transform" the value of RR?
Answer) Yes, case for balun.

Question) Will a transformer add to the value of RL?
Answer) Yes, case for no balun.

Question) What are the trade offs for a more efficient antenna?

John
N3AAZ

.

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Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 15 Jan 1999 10:37:55 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: cw@qth.net

Cc: qrp-l@lehigh.edu
Subject: [29798] [Fwd: ARLB004 FCC official meets hams on their own turf]
Message-ID: <3.0.5.32.19990115103755.007d1d30@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

this is good news I think. Shows the FCC is getting intrested in Amateur
Radio.

>>
>> SB QST @ ARL $ARLB004
>> ARLB004 FCC official meets hams on their own turf
>>
>> ZCZC AG04
>> QST de W1AW
>> ARRL Bulletin 4 ARLB004
>> >From ARRL Headquarters
>> Newington CT January 14, 1999
>> To all radio amateurs
>>
>> SB QST ARL ARLB004
>> ARLB004 FCC official meets hams on their own turf
>>
>> The FCC's Amateur Radio enforcer, Riley Hollingsworth, K4ZDH, turned
>> up in an unexpected place January 13--75 meters. In what could be an
>> unprecedented move, Hollingsworth, legal advisor for amateur
>> enforcement within the FCC's Compliance and Information Bureau,
>> showed up at around 3894 kHz to discuss enforcement and encourage
>> compliance.
>>
>> ''A couple of them were pretty shocked,'' he said. ''This has never
>> been tried before,'' Hollingsworth said the next morning. He said he
>> broke in on an argument that was growing increasingly nasty in an
>> effort to settle things down, then stayed to discuss enforcement
>> with the hams on frequency.
>>
>> Hollingsworth says he thinks one key to compliance is just getting
>> people to listen to what he has to say. ''Most people, if you can
>> just get to them on a one-to-one basis, they'll listen,'' he said,
>> reflecting his overall enforcement approach to attempt to reason
>> violators into voluntary compliance rather than writing them up.
>> During his time on the air, Hollinsgworth confronted one individual
>> he'd already been in touch with about alleged on-air misbehavior.
>>
>> Among other things, he told those on hand that noncompliance and
>> inappropriate on-air behavior could even threaten the hobby's HF
>> allocations. Hollingsworth advised hams to be more tolerant and
>> patient and to avoid confrontation or retaliation.

>>
>> ''We all have to realize we're on a mission here: to save Amateur
>> Radio,'' he said the day after his 75-meter appearance. ''There are
>> going to be licenses lost and fines owed.'' The jammers already are
>> well on their way to ''hanging themselves'' right now, he said.
>>
>> Even as he preached better behavior, Hollingsworth says he
>> understood from the others on frequency that someone was attempting
>> to jam his signal. ''I hope the monitoring folks were on the
>> frequency too,'' he said.
>>
>> Hollingsworth advised the hams on 75 to contact him with enforcement
>> problems, and he gave out his e-mail address and telephone number,
>> rholling@fcc.gov, 717-338-2502. ''I don't know what effect it will
>> have,'' he said of his on-air foray. Hollingsworth says he'll ''do
>> what it takes'' to improve amateur compliance, and that could
>> include future on-air visits with amateurs.
>>
>> ''I've gotten a lot of feedback this morning by phone and e-mail
>> asking me to do it more often,'' he said. ''We'll be listening more
>> and asking to be allowed in QSOs more.''
>>
>> Hollingsworth, who's based in Gettysburg, Pennsylvania, took over
>> the FCC's most recent Amateur Radio enforcement initiative last
>> September.
>> NNNN
>> /EX
>
73 de Scott/n3byy
Laurel MD

Date: Fri, 15 Jan 1999 08:19:45 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: franco@bnl.gov
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29799] Re: FOX: INHF on Long Island
Message-ID: <369F6AA1.BE86DC57@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Franco, Nicholas J wrote:
>
> For
> you who study the propagation, L.I. couldn't hear Oregon last night between

> 0300-0500Z.

That's because all the RF went to California. At the start of the hunt, Dan was S9 plus 20 DB on my s-meter, which is quite conservative! I had the RX on most of the time as I puttered around, and he just kept booming in. You also mentioned K0EVZ...well, Doc has some secret entrance into the ionosphere, because he is always loud here, and last night was no exception.

73,
Vic, K2VCO
Fresno CA

Date: Fri, 15 Jan 1999 16:25:01 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29800] Re: qrp qso w/AO-27: suggestions for backpack UHF ant?
Message-ID: <369f6acd.37605676@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Fri, 15 Jan 1999 08:41:57 -0700, Dave Ek <ekdave@earthlink.net> wrote:

>Here's a question a bit out of the qrp mainstream but qrp-related
>nontheless. For FD this year I'm planning to be backpacking again. While
>I'm out, I want to try a satellite qso with AO-27 with a couple of HT's
>(hey, it's worth extra points). Anyone have suggestions for a =
directional
>UHF antenna for the downlink that's portable enough for backpacking? My
>first thought is a two-element quad. Might need to construct a preamp, =
too.
>Seen any good plans?

Hi Dave, the two element quad would work, but you still will lose the =
signal
in the polarity shift. Gain isn't an issue on recieve as AO-27 can =
actually
be worked with a single dual-bander in full-duplex mode and a gain whip
antenna. I use the MFJ 17" model and hear the bird no problem. I do =
have to
physically turn the HT from vertical to horizontal to match polarity, but
directivity isn't the issue.

Transmit power is another issue. I suspect because I don't have a full 5

watts going out, and others are running well over that level, that I =
won't be
successful until I get my erp up to probably 100 watts.

Directivity isn't necessary, but transmit gain probably is. Circular
polarization would help as well. Hope this helps.

--
72 es 73 de Marty, KM7W
_____=

Memphis, Tennessee =
http://home.earthlink.net/~mwattcpa
 VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"

Date: Fri, 15 Jan 1999 10:40:06 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Vic Rosenthal <rakefet@rakefet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29801] Re: FOX: INHF on Long Island
Message-ID: <Pine.LNX.3.95.990115103824.28987B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 15 Jan 1999, Vic Rosenthal wrote:

> of the time as I puttered around, and he just kept booming in. You also
> mentioned K0EVZ...well, Doc has some secret entrance into the ionosphere,
> because he is always loud here, and last night was no exception.
>
> 73,
> Vic, K2VCO
> Fresno CA
>
....when Doc was in his previous location he was always loud here but now
that he's in ND if I do hear him, he's weak....just an observation to
throw into the info pot.....72 - Bruce(VE5RC+VE5QRP)

Date: Fri, 15 Jan 1999 10:45:37 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29802] Re: qrp qso w/AO-27: suggestions for backpack UHF ant?
Message-ID: <199901151645.KAA14145x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Fri, 15 Jan 1999 08:41:57 -0700, Dave Ek <ekdave@earthlink.net> wrote:

> I'm out, I want to try a satellite qso with AO-27 with a couple of HT's

I don't know much about HF qrp yet but I *do* know 'bout this. In fact, I just walked in from outside where I worked AO-27 with my FT50 like I do everyday. You acn use an Arrow antenna, but what I use is my Yaesu FT50 with a MFJ-1715S whip antenna. I am on AO-27 daily with 5 watts or less and I also work Mir on a daily basis. If you need the freqeuncies to program in you HT, let me know and I'll be happy to post them. For once *I* had an answer! If anyone would like to see me and my qrp packet system that I work Mir with from my patrol car, go to http//www.tigertronics.com/sheriff.htm

73 Jeff W4JEF


```
    *=-=-=-=-=-=-=-= Jeff Johns W4JEF - AMSAT# 32615 -=-=-=-=-=-=-=*
    |jeffj@scott.net  w4jef@amsat.org |     Reserve Patrol Captain     |
    |  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
    |200LX+BayPac+FT50=Portable Packet|     QTH Birmingham, AL USA     |
    *=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=*
```

Date: Fri, 15 Jan 1999 12:00:02 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <waltk8cv@surfree.com>
Subject: [29803] RE: sgc-2020 again
Message-ID: <001401be40a8$7defbf20$01010101@n4xy>
MIME-Version: 1.0

Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I don't doubt he was happy Walt... I pretty well liked mine: it had only the slightest of chirps, and was built like the proverbial brick outhouse... and worked that well (except for that C.) ONLY my concern about the service nightmares that were being recounted at the time, even that slightest of chirps, and the point that the K2 was being designed from the ground up for CW caused me to sell mine. I had none of the other problems some people have had, I liked the 20W (when needed), and that case is awesome. Personally, I even liked the ergonomics fairly well-at the least, they didn't bother me. Basically, for me though, once I felt I could not expect REASONABLE service repairs-much less responses-THAT is why I sold it. I would still say: it's a great rig (with a caveat about that chirp.)

I guess I also have to include what I felt were exhorbitant costs for software upgrades. MOST companies charge a small, reasonable amount... SGC chose to be greedy there. Also, is it fair to charge to upgrade the software of a rig to fix an ORIGINAL problem? I think not. In fact, not no but heck no! The last straw for me came when they wanted me to buy the extended warranty, wait to receive the certificate/whatever by mail, and ONLY then send in my '2020 for the upgrade. I could not send in the extended warranty $$$ and '2020 at the same time. Get real.

///snip
> Group
>
> I worked one and If he hadn't told me it was an SGC-2020 I would have
> never known. Sounded just fine on my end, just like a brand new Omni6 +
> for all I could tell. He sure seemed to like it.
>
> Walt k8cv
>

Date: Fri, 15 Jan 1999 09:28:55 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [29804] [FYBO] Winter QRP Field Day Stuff!
Message-ID: <199901151628.JAA17191@usr04.primenet.com>

Howdy Folks,

I've been REALLY behind on getting FYBO '99
reminders out the door. For those who may not
know, FYBO is the winter QRP field day sponsored
by the AZ ScQRPions and scores of dedicated ops,
and it's the most fun you can have without
getting investigated! ;-)

Been starting my own business, and it's been
consuming all available time. Luckily several
of you warned me about that before I started. :)

Anyhoo, FYBO '99 is set for Saturday, Feb. 6th.
Operate one hour or all 12 hours, from
your toasty-warm house or a frozen snowfields
in downtown Chicago. :) The bottom line is
HAVE FUN! Bring the family and a few sleds
along. Build a snow-op to keep you company.
Track the highest and lowest temps folks are
sending in the exchange - use it to figure
wx patterns for the next day, and who to send
sympathy cards to. ;-)

FYBO is a *very* casual event, perfect for you
first-time contesters who may not like the rush
and crunch of the Big 'Tests. It also happens
to be a fine prep drill for QRP AField. ;-)

Please see <www.extremezone.com/~ki7mn> for
complete rules and info! We'll have summary
sheets and logsheets posted there just as soon
as I can get 'em to Bob. ;-)

More info to follow shortly, including the
famous FYBO Prize List, a list of a few FYBO
field ops and where they plan to operate,
and tips for fending of wild ice weasels and
the dread Montana fur trout.

Happy winter to all of you! And please send
snow to AZ!!! Had to cancel my snowshoeing/camping
trip due to a chronic lack of the White Stuff! :-(

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
 - Dave, Fellow Snow Camper

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Fri, 15 Jan 1999 11:10:17 -0600
From: Jeff Johns <jeffj@scott.net>
To: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
Cc: qrp-l@Lehigh.EDU
Subject: [29805] Re: qrp qso w/AO-27: suggestions for backpack UHF ant?
Message-ID: <199901151710.LAA18134x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Fri, 15 Jan 1999 09:55:10 -0700 (MST), James P Rybak
<jrybak@mesa7.mesa.colorado.edu> wrote:

> Please tell me the frequencies for AO-27 and Mir. I'd like to monitor them.

Here is a set of five frequency pairs. During the start of the pass, begin
with the first set and as the bird goes overhead adjust down to the next set
and then the etc. to adjust for doppler.

1) 436.805rx 145.845tx
2) 436.800rx 145.850tx
3) 436.795rx 145.850tx
4) 436.790rx 145.850tx
5) 436.785rx 145.855tx

The trick to working AO-27 with a whip is to learn how to orient both
yourself and the HT to the bird. For passes that go to east of my qth I have
to actually hold the HT upside down with the whip pointed at the ground. For
passes west of my QTH, I hold the HT somewhat horizontal to almost
completely vertical. I have made many good friends on AO-27 and love that
particular bird. If anyone needs any more info, feel free to ask!

73 Jeff W4JEF


```
    *=-=-=-=-=-=-=-= Jeff Johns W4JEF - AMSAT# 32615 -=-=-=-=-=-=-=-=*
    |jeffj@scott.net  w4jef@amsat.org |     Reserve Patrol Captain     |
    |  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
    |200LX+BayPac+FT50=Portable Packet|     QTH Birmingham, AL USA     |
    *=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=*
```

Date: Fri, 15 Jan 1999 11:17:47 -0600
From: Jeff Johns <jeffj@scott.net>
To: N1ODL@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [29806] Re: qrp qso w/AO-27: suggestions for backpack UHF ant?
Message-ID: <199901151717.LAA28773x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Fri, 15 Jan 1999 12:07:38 EST, N1ODL@aol.com wrote:

> Read your post and would love to know how to contact these stations. I do
> mostly HF and also do a lot of Backpacking. Could you please let me know these
> freq.'s?

I just posted the AO-27 info to the list. The packet frequency for Mir is
145.985, the schedule is packet during the week and SSTV on the weekends. Of
course this schedule is subject to change and ofter does. There's not
anymore voice on Mir right now, due to the fact that the cosmonauts only
speak Russian. Mir is a blast to work and I love to use it as a digipeater.
I have two cards for R0MIR and they are some of my proudest achievements. I
would recommend Mir as a starting point for anyone interested in the amateur
satellites.

73 Jeff W4JEF


```
    *=-=-=-=-=-=-=-=-= Jeff Johns W4JEF - AMSAT# 32615 -=-=-=-=-=-=-=-=*
    |jeffj@scott.net  w4jef@amsat.org |     Reserve Patrol Captain     |
    |  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
    |200LX+BayPac+FT50=Portable Packet|     QTH Birmingham, AL USA     |
    *=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-*
```

Date: Fri, 15 Jan 1999 10:21:24 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: gdslagel@yahoo.com (Gary Slagel)
Cc: qrp-l@lehigh.edu
Subject: [29807] Re: FYBO contest
Message-ID: <199901151721.KAA02457@usr08.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy Gary (going to cc: QRP-L, hope you don't mind),

> Trying to get myself geared up for a field operation in the Colorado
> Rockies for the FYBO contest. Just had a couple questions......
>
> 1) Can I email my entry?

Heck yeah! Save a tree. :) Email them to me
<vole@primenet.com> and I'll take it from there.
We'll have FYBO summary sheets (ASCII-format)
online soon, so you can just fill it out and
email it in.

Hopefully one day we'll get ultra-snazzy like
the Adventure Radio Society's web-based automated
contest entry system. Now THAT's how things should
be done!

> 2) Read the rules on the ARS site and they were pretty clear except...
> I'm an acronym victim once again. What's an SPC? As in....
> 'Final Score: QSOs x SPCs x Temp Multi (x Field) (x Alt Pwr) (x QRPp)'

SPC is short for State/Province/Country. Whichever
makes more sense to send at the time. :)

> Thanks and I look forward to a cold contest... hi hi.

Thanks! Sure hope to hear you out there! Now if
only someone would send us some dang snow here
in Northern AZ!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
- Dave, Fellow Snow Camper

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Fri, 15 Jan 1999 11:12:07 -0600
From: William-McShan@ouhsc.edu (Mike McShan)
To: qrp-l@Lehigh.EDU
Subject: [29808] Son of Fireball: They're Here!
Message-ID: <v01540b01b2c525c23d34@[157.142.56.167]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I'm pleased to tell you that the oscillators arrived at my house via UPS. I'll rent some video tonight and stuff fireballs into the envelopes while I watch it. Plan to put them into the mail tomorrow. The fun is about to begin.

By the way, I'll will post an updated list of those folks that I have received payment from this evening. I've been meaning to do this, but my schedule has been a little strange the last two days. (I'd do it now, but the list is at home.)

Thanks and 72,

Mike McShan N5JKY
4209 NE 143
Edmond, OK 73013

There are a few individuals that I haven't heard from yet. So, if your check has not been mailed yet, please send $5.35 per oscillator plus $1.00 to cover the envelope and postage to the above address.

Date: Fri, 15 Jan 1999 11:40:47 -0600

From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [29809] AO-27 QRP
Message-ID: <199901151740.LAA29986x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

For everyone contemplating working AO-27 qrp I forgot to mention that the
bird is active during daylight passes over North America. It is not active
at night.

73 Jeff W4JEF

 =-=-=-=-=-=-=-= Jeff Johns W4JEF - AMSAT# 32615 -=-=-=-=-=-=-=
 |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
 | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
 |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
 =-

Date: Fri, 15 Jan 1999 09:37:58 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <jmlowman@ix.netcom.com>
Cc: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [29810] Design background
Message-ID: <01be40ad$cabc4ad0$0100007f@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, Jim
Like many here, my design abilities were accumulated over a period of years,
rather than as the result of specific courses.

I got my Novice license at 14, and my General at 15. After I graduated from

HS, I went in the Army and attended classes at Ft. Monmouth, NJ. The funny part is that I knew more going into the class, because of my ham background, than the other students did coming out of the course.

All my electronics knowledge has come from self study. I remember the first text I had was an old Coast Guard electronics book I found in a shed when we bought a small acreage during my HS years. It was basic enough for me to follow at the time. I remember struggling with how cathode bias worked, and then one day it just hit me. Oh, is that all there is to it? Wow.

At the U of W in Seattle, I earned a BS in Technical Writing while working part time in the electronics field with companies like Fluke, Smith-Florence and Boeing. After graduation, I worked for Sylvania in CA, Collins in IA, then finally with Motorola in IL and then CA. I'm retired here in CA now.

I guess my natural instinct is to reach for the manual when I want to know something. Also taught myself computer programming before we had desktop computers. Had to go online with a time-sharing computer service. Glad I don't do that anymore :-)

I'm still no mathematician. I have trouble when the texts break into calculus. I prefer a well worked example so I can understand the process. Now I use circuit and antenna modeling programs such as ARRL's ARD and Roy Lewallen's EZNEC 2.0. These are my "computer games".

We have a tremendous advantage over a student in a class, in that we have the full range of opportunities at our fingertips. We can design a station and assemble it and put it on the air. We can conceive of an antenna, put it up and try it out. If we have a circuit idea, out to the garage and put it together. See if it really works. We have tools like QRP-L and the various club newsletters to share information and ideas.

It seems like one can't help learning, just because of our immersion in the subject.

73, Bob N6WG

Date: Fri, 15 Jan 1999 09:57:39 -0800
From: "Bill Todd" <bill@willapabay.org>
To: "Bruce Prior" <n7rr@hotmail.com>
Cc: "Dave Barrett" <DBarrett@creo.com>, <erics@elecraft.com>, <w7agq@arrl.org>, <nwq-l@scn.org>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [29811] March 6th NW QRP & BC QRP Peace Arch Gathering

Message-ID: <002401be40b0$a2b5d580$82added1@bill>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Attn QRPers -

Arrangements are firming up for the March 6 Peace Arch QRP Gathering for North West QRPers. The meeting is co-sponsored by the NorthWest QRP Club and the BC QRP Club of Canada.

Meeting Location:
Harbor Cafe, 295 Marine Drive, Blaine, WA. They can accommodate 50 easily, and in a pinch, they can handle about 75.

Time:
The luncheon Meeting officially starts at 12 noon, but many QRPers and their friends will probably arriving at 10 am.

Featured Speakers:
Eric Swartz, WA7HHQ, of Elecraft will be here demonstrating the new K2. The new ARRL Northwestern Division Director, Judge Greg Milnes, W7AGQ, has agreed to take Mary Lou Brown s place to talk about the future of amateur radio.

Extra fun!:
After the indoor lunch meeting (weather permitting), we ll adjourn to a picnic shelter in the nearby Blaine Marine Park next to the Orca Platform where some tall trees are aching to support some slingshot-launched wire antennas for a free-for-all portable QRP session taking advantage of salt-water propagation. People can stay until dark if they wish.

Also, we have permission to put an antenna on the restaurant roof to demonstrate the new K2 rig "live".

For further information contact Bill-N7MFB at bill@willapabay.org, or Bruce-N7RR n7rr@hotmail.com

CUL, Bill-N7MFB

Date: Fri, 15 Jan 1999 13:04:47 -0500
From: n3aaz-qrp@juno.com (John R Kirby)

To: qrp-l@Lehigh.EDU
Subject: [29812] RTTY with CW Only Rigs
Message-ID: <19990115.131043.-213219.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Re: "RTTY with a Sierra" at >>http://www.psnw.com/~kd7s<<

I failed to discuss the fact that RTTY is a 100 % duty cycle mode.

Erratum (not sure what that means)... NOTE... While operating RTTY, the final of a CW only transmitter may promote a heat and or power dissipation problem and may require attention.

While my Sierra does not have any problem running KEY DOWN for ten minutes on 20m into a G5RV, power supply is 12.07 volts, original final, original heat sink, I am sure there are many variables one must consider.

John
N3AAZ

.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 15 Jan 1999 13:17:16 -0500
From: Carl Hyde <carl.s.hyde@lmco.com>
To: supertec@mail.myriad.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [29813] Re: Grid dip meter
Message-ID: <369F862C.59A25B1@lmco.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Boy I agree with you there. Everything is too much on ebay. Ask me about the Collins 32S-1 I bought for $300.00 that was described as a 9 out of 10 condition. Only cost me $250.00 more to get it working. I hope people wake up soon.

WILLIAM T. ROSE wrote:

> Well Gang,
> I have been out bid twice on EBAY for a Heath kit 1250 Grid dip
> meter so I am giving up on EBAY. Maybe I am Just "Cheep"(Super
> Cheep Charlie) but things seem to go for way too much for this
> poor boy . So if any of You good QRPers have one that is gathering
> dust and want some pocket change for it , Please Email me at
> Supertec@myriad.net
> or
> KC5SCC@hotmail.com
>
> And now back to regular programming.....
> --
> KC5SCC BILL
> "Deep in the Heart of Texas"
> Emtech 80/20 80m & 40m ---Knightlite Smite 80m ---Pixie II 40m
> Kenwood TS520 --Kenwood TS700SP 2m --Icom ic-w21at 2m/70cm
> Ant. 80m Gnd Delta loop--Hamstick 40m dipole--Tucker Vub-2
> Crushcraft A14820T 2m Beam

--
Carl Hyde
carl.s.hyde@lmco.com
Desk: (609) 866-6386
Fax: (609) 866-6414

POLITICS: From the Latin prefix "Poli" meaning "Many" and the word "Tics"
meaning "blood sucking parasites"

Date: Fri, 15 Jan 1999 11:23:21 -0700
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [29814] Y2K Problems SOLVED
Message-ID: <01BE4079.775A9C40.bmug@gwl.com>

I've been skimming the talk about the millennium on the digest mode (I hope this hasn't been killed or died - well if it has lets don't start it up again).

Anyway I believe I have the answer. In the Wednesday edition of the Rocky

Mountain News they have what is called "The Mini Page" this is written for kids and their families.

This Wednesdays was all about the year 2000 and how it's being called the new millennium. Good article but it finishes up with:

" The millennium does not really begin until the year 2001. However, everybody is so excited about the event that most people are saying that the millennium is starting in the year 2000."

So, there is the answer - right there in black and white in the newspaper so it must be correct.

8^)

de KI0OT, Brad

Date: Fri, 15 Jan 1999 13:40:33 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: Brad Mugleston <bmug@gwl.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29815] Re: Y2K Problems SOLVED
Message-ID: <Pine.LNX.4.03.9901151338510.996-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I heard a rumor that it started in 1999 but the guys that are fixing it want to extend it to 2001 so they can milk it for a couple years :-))

73,

Jim N2go

Date: Fri, 15 Jan 1999 13:39:45 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [29816] PLEASE READ
Message-ID: <8e6ce5fc.369f8b71@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,
First let me thank all of you who responded to a QRM problem I located.
I guess I didn't make myself clear.
I'm not dealing with a *TOUCH LAMP*
It's a light senser.
The room gets dark and the lights in the display case get bright.
An adapter plugs into the wall,then a black box plugs into that(for 12 V DC)
This second plug in box has 1 wire running to the sensor.
The sensor feeds into another metal box that says *operating frequency 20KC.
How can I tell if this is some sort of transmitter
This place is a pricy,Jewelry shop and I can't be going in every half hour
trying various test.
I'm supposed to fix it with out going into the store.
Right now,a pound of C-4 is looking real good.
Also a few rounds from a 300 MAG placed into the amp hanging from the pole for
the cable Co. would help.
Looks like a move to the open areas of AZ will cure all the qrm here.
Ever notice that things that cause qrm never break down?
I'm getting tired of hearing (it's that ham radio operator)
And I'm not even home..
Again thanks to all who took the time to write.
If I find the cure,I will post.
Bob
WA2HOQrp <tm>

Date: Fri, 15 Jan 1999 13:56:56 -0500
From: "cdd" <cdd@bellatlantic.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29817] For Sale: Oak Hills 500 stn unassembled
Message-ID: <000101be40b8$d3fbb080$117bc997@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Selling Oak Hills research 500 kit with keyer, DD-1= digital readout, all
unassembled in sealed bags. $400 Curt for ka3tqg

Date: Fri, 15 Jan 1999 13:35:16 -0500

From: Richard Sherman <srichard@aldus.northnet.org>
To: qrp-l@Lehigh.EDU
Subject: [29818] Re: Elmer2XX: Issues on software and O/S and books
Message-ID: <3.0.1.32.19990115133516.007b9270@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>So I went to a place here in Dallas called the Micro Center to check
>on some books. Someone asked me if I could recommend a single book
>for the SPICE series. I looked and I would say that the SPICE by
>Roberts and Sedra is most apropos for some radio amateur simulation.
>ISBN 0-19-510842-6

Chuck,
http://isbn.nu 0r http://www2.isbn.nu will do ISBN searches among numerous on-line book stores. Computer Literacy Book store has this book in stock for $29.95 + $3.95 s/h.

Vy 72, de Rick WZ2T NNY
Malone, NY
srichard@northnet.org

Date: Fri, 15 Jan 1999 11:00:04 PST
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: supertec@myriad.net
Cc: qrp-l@lehigh.edu
Subject: [29819] Re: Grid dip meter
Message-ID: <19990115190005.22430.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

Depending upon what kind of performance you want, you could probably whip one of these together without too much trouble. I built a "real" grid dip meter last year using a 5719 sub-miniature triode (I'll donate one to you if you are interested) and various components scrapped from a dot matrix printer, an old tape deck and other junk. I made the coils using acrylic tubing and the plugs from 3/32 brass tubing, acrylic and PC board (fits an octal socket). With four coils (so far) the range is about 1-40 MHz.

Brad

>Well Gang,
> I have been out bid twice on EBAY for a Heath kit 1250 Grid dip
>meter so I am giving up on EBAY. Maybe I am Just "Cheep"(Super
>Cheep Charlie) but things seem to go for way too much for this

>poor boy . So if any of You good QRPers have one that is gathering
>dust and want some pocket change for it , Please Email me at
>Supertec@myriad.net
>or
>KC5SCC@hotmail.com
>
> And now back to regular programming.....
>--
>KC5SCC BILL
>"Deep in the Heart of Texas"
>Emtech 80/20 80m & 40m ---Knightlite Smite 80m ---Pixie II 40m
>Kenwood TS520 --Kenwood TS700SP 2m --Icom ic-w21at 2m/70cm
>Ant. 80m Gnd Delta loop--Hamstick 40m dipole--Tucker Vub-2
>Crushcraft A14820T 2m Beam
>

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Date: Fri, 15 Jan 1999 12:23:01 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu, cqclist@mtechnologies.com
Subject: [29820] AL7FS visit
Message-ID: <199901151922.MAA01714@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

It was great to get together with Jim, AL7FS and some of the other CQC members last night. It's always a pleasure to get away and hang out with such people, so a "visiting fireman" is always welcome!

In order to get out there to meet Jim it was necessary for me to skip the foxhunt, and I got outbid on an e-bay item at the last minute, but it was worth it. As VP Rich (W0HEP) put it, it was 10 times as interesting as listening to Wayne Green last week [g].

Jim's a great guy, which I already knew from working him and exchanging the odd e-mail, but as always it's a pleasure to be able to match a face to a callsign.

73
Marshall Emm
N1FN/VK5FN

n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
http://www.MorseX.com
(303)752-3382
--

Date: 15 Jan 1999 13:26:15 -0600
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [29821] FW: ARLB004 FCC official meets hams on their own turf
Message-ID: <n1295715650.29961@msmailgw1.arlut.utexas.edu>

normally I don't like to copy entire bulletins to the list, but this is an answer to those who expressed frustration about some hams behavior on the air in this list recently. Good for the new FCC cop on the beat, he is really on to the problems!
72, Stuart K5KVH

From: ARRL Members Only Web site on Fri, Jan 15, 1999 8:49 AM

SB QST @ ARL $ARLB004
ARLB004 FCC official meets hams on their own turf

ZCZC AG04
QST de W1AW
ARRL Bulletin 4 ARLB004
>From ARRL Headquarters
Newington CT January 14, 1999
To all radio amateurs

SB QST ARL ARLB004
ARLB004 FCC official meets hams on their own turf

The FCC's Amateur Radio enforcer, Riley Hollingsworth, K4ZDH, turned up in an unexpected place January 13--75 meters. In what could be an unprecedented move, Hollingsworth, legal advisor for amateur enforcement within the FCC's Compliance and Information Bureau, showed up at around 3894 kHz to discuss enforcement and encourage compliance.

''A couple of them were pretty shocked,'' he said. ''This has never been tried before,'' Hollingsworth said the next morning. He said he broke in on an argument that was growing increasingly nasty in an effort to settle things down, then stayed to discuss enforcement

with the hams on frequency.

Hollingsworth says he thinks one key to compliance is just getting people to listen to what he has to say. ''Most people, if you can just get to them on a one-to-one basis, they'll listen,'' he said, reflecting his overall enforcement approach to attempt to reason violators into voluntary compliance rather than writing them up. During his time on the air, Hollinsgworth confronted one individual he'd already been in touch with about alleged on-air misbehavior.

Among other things, he told those on hand that noncompliance and inappropriate on-air behavior could even threaten the hobby's HF allocations. Hollingsworth advised hams to be more tolerant and patient and to avoid confrontation or retaliation.

''We all have to realize we're on a mission here: to save Amateur Radio,'' he said the day after his 75-meter appearance. ''There are going to be licenses lost and fines owed.'' The jammers already are well on their way to ''hanging themselves'' right now, he said.

Even as he preached better behavior, Hollingsworth says he understood from the others on frequency that someone was attempting to jam his signal. ''I hope the monitoring folks were on the frequency too,'' he said.

Hollingsworth advised the hams on 75 to contact him with enforcement problems, and he gave out his e-mail address and telephone number, rholling@fcc.gov, 717-338-2502. ''I don't know what effect it will have,'' he said of his on-air foray. Hollingsworth says he'll ''do what it takes'' to improve amateur compliance, and that could include future on-air visits with amateurs.

''I've gotten a lot of feedback this morning by phone and e-mail asking me to do it more often,'' he said. ''We'll be listening more and asking to be allowed in QSOs more.''

Hollingsworth, who's based in Gettysburg, Pennsylvania, took over the FCC's most recent Amateur Radio enforcement initiative last September.
NNNN
/EX

Date: Fri, 15 Jan 1999 14:49:24 -0500

From: "Joseph Street" <joseph.street@comdev.ca>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [29822] Phase locked loops
Message-ID: <369F9BC4.4086D645@comdev.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello everyone;

 Last night I built a VFO with the oscillator section of a NE602. I used a rectifier diode as a variable capacitor and was pleased to get 200 Khz swing out of it around the 7 Mhz frequency range. Then I took a TL072 and configured it as a single supply noninverting amp with a gain of ten and stuck it in the loop between the mixer output and the VFO. Presto I had a phase locked loop. The lock range was only a couple of Khz though. Anyone have any ideas on how to increase it? I know someone is going to suggest using a commercial PLL but I just like doing it the hard way. (I learn more) besides most of the commercial designs I've looked at dont give access to the VCO output or else are power hungry. I am trying to use the PLL as a quadrature signal gen here.

signed loopy
VE3UXE

Date: Fri, 15 Jan 1999 14:57:22 -0500
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@lehigh.edu
Subject: [29823] Re: 13wpm
Message-ID: <369F9DA2.1D26@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff Johns wrote:

> While saving my pennies for my first qrp rig, I'm continuing to study my CW
> in hopes of passing the 13wpm test. When I took my 5wpm test, the code was
> sent at 5wpm with a Farnsworth spacing of 18wpm. Can anyone tell me if
> Farnsworth is used for the 13wpm test?

> 73 Jeff W4JEF

Hi, Jeff,

At most VE sessions, the 13 wpm test will have 18 wpm Farnsworth. Most
people find it a bit easier than "standard" Morse -- the timing of
"real" Morse doesn't leave much space in between letters.

Good luck on the test!

73,
Ed, W1RFI

Date: Fri, 15 Jan 1999 14:57:54 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [29824] Satellite FD QRP QSOs?
Message-ID: <369F9DC2.6EBD9D6D@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Any success stories?--Zack W1VT

Date: Fri, 15 Jan 1999 20:03:25 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [29825] Toroid winding Tip?
Message-ID: <369F9F0D.6B4C@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy fellow qrp enthusiasts.

I have a question I haven't heard before.

I've heard about stretching antenna wires before
constructing wire antennas. I was wondering if
anyone pre-stretched the wire used to wind their
toroids with?

Would this help minimize drift at all? Is there
any improvement to be had if one were to pre-stretch
the toroid wires brior to winding?

I'm building a OHR-100A for a ham friend as soon as the
rig arrives in the mail and am hoping to have it on the
air withing 8 hours of receipt of the kit. My last OHR-100
was built and on the air in 7 hours so I am sure I have time
to go the extra mile with this one.

One more thing. When measuring the spectral purity of my
OHR-100 I discovered that the the last 3 degrees of adjustement
on the output power potentiometer only increased the spur
level by 10 dB while not improving power at all. On my rig
I'm thinking of measuring this resistance and adding a
6.8 ohm resistor or so to trim this down. Anyone else
seen this? It is still in spec for FCC, but is not optimized.

Please respond to both we6w@juno.com and we6w@qsl.net so I
can pick up any late inputs from digesters at my home address.

Thanks in advance.
-Ed
--
-Ed AR QRP Millennium QSO's=124/2000
72, Ed WE6W, A-1 OP; http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 15 Jan 1999 15:05:16 -0500
From: DNT1@daimlerchrysler.com
To: qrp-l@Lehigh.EDU
Message-ID: <852566FA.006E59F5.00@lngodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Mary, WN6HYX replied to me (on testing for her General on 1/16/99):

> The only bad thing about passing tomorrow is that I missed WAS CW Novice by
> one state. Don't think there are any ops in Idaho.

How about it, folks? Anyone in ID that can give Mary a QSO tonight? If so, get
ahold of her at

MCHERRY @ CALWEB.COM

and let her know it! It'd be a shame to have come this far only to miss out

by one state , might even make her subconciously wish to fail her upgrade test just so that she could complete the goal of WAS/Novice! If you can help her out, please do!

72,

Don T. AI4CW QRP-L#1670 Toney, AL

Date: Fri, 15 Jan 1999 14:06:43 -0600 (CST)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [29827] Fcc Police
Message-ID: <20765-369F9FD3-703@mailtod-121.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

Hollingsworth is on 75 meters talking about how hams should be nice to one another and other hams were jamming him :-) . Time will tell if the fcc is going to do more than just talk, talk, and more talk.
Has the fcc actually collected any fines or smashed up any gear in the last 10 years ? If they have , I havent heard about it.
K1zw

Date: Fri, 15 Jan 1999 15:14:13 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: <walexan@ipa.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29828] Re: NPRM Comments
Message-ID: <001c01be40c3$9fe5f200$3c338cd1@default>
MIME-Version: 1.0

Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

How is this for a flame Wayne, I COULDN'T AGREE MORE!!!!!

The "New rules" were designed for the benefit of the corporations wanting to sell product. They have absolutly nothing to do with what's good for ham radio. If they cared the least bit for the institution of amateur radio, they would not dream of such a thing! Have these same people gone down to the schools where their children attend, and demanded that the multiplication tables be scraped as "outdated" and "no longer necessary"? I think not.

You no-coders that are gonna bust a gasket over the above, first tell me how you did on the General exam. How did you do on the Advanced? The Extra? I see. So it isn't just the code that is holding you back, but total laziness and your "I want what you got and I don't think I should have to do anything to get it" attitude.

I have absolutly nothing against the no-code license. My girlfriend is a no-code tech. A lot of the ladies in our clubs are, and the tech license makes it awful convenient for a lot of us. But FM is just glorified CB and thats all. Your general knowledge of electronics is not enough either boys. I have 22 years bench time myself and 6 years as a broadcast engineer, so I have a fair grip on electronics, but that did not make me an Extra class amateur. Passing the tests and copying 20 wpm code got me the ticket and nothing less. I paid the price as every other man who has the ticket has done. If you want to impress me, pass the exams and pass the code, I will give you your due. But telling me you have a degree in electronics but are to inept to pass the code ain't gonna get it done!

How's that Wayne, ought to get 'em off you :) CU Mitch 73 AE4YW ps. don't forget to write :)

Date: Fri, 15 Jan 1999 21:35:18 +0100
From: "Lars Harbo" <harbo@post3.tele.dk>
To: <jskalski@buffnet.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29829] Sv: qrp 1999 resolutions
Message-ID: <19990115204619.BNGG326.fep1@oz1iva>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim

Could have been my list - word for word - hi ;-)

OZ1IVA, Lars

International letters are a problem uuith most computers.

Image houu America uuould have greeted Bill's computer if
they had to print tuuo u's instead of a single uu.

Lars Harbo - a crazy dane...

> Fra: James Skalski <jskalski@buffnet.net>
> Til: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Emne: qrp 1999 resolutions
> Dato: 14. januar 1999 22:24
>
>
> Has anyone made any resolutions re: qrp for 1999?
>
> WAS at ____ power level
> DXCC ?
>
>
> I hope to build an all band homebrew transceiver.
> Improve antenna situation.
> Find out the source of the *&^%** line noise at my qth.
> Set aside some time for more operating.
> Finish *some* of my projects.
> Get rid of some of my extra stuff. (My wife thinks this should be #1)
>
> The snow on either side of my driveway is nearing the level of the roof
of
> my car. I can't take it any more :-)
>
>
> 73,
>
> Jim N2go

Date: Fri, 15 Jan 1999 20:58:20 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [29830] Weekend contests?
Message-ID: <369FABEC.4F46@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey gang, any CW contests on 40 meters this weekend?????

-Ed
--
-Ed AR QRP Millennium QSO's=124/2000
72, Ed WE6W, A-1 OP; http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 15 Jan 1999 15:58:13 -0500
From: Rick McNelly <72507.235@compuserve.com>
To: qrp-l@Lehigh.EDU
Subject: [29831] Re: What, Me Hurry?
Message-ID: <199901151603_MC2-66CA-E7C0@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

Be concerned with how you feel. Trust others until
they betray that trust. Don't begin with fears of
ridicule along a path that doesn't exist, but will
soon be paved with the insecurities of others.

This whole licensing/Class thing has to do with WHEN
you go, not WHAT you know -- Only what is tested.

We are each unique and deserving. Class is not status,
it is access. I will enjoy coffee as much with a novice
as an extra, rich or poor.

This is a great statement!

And this philosophy can be applied to much more than radio.

Thanks Ed! :-)

72/73's,

--Rick, KE4IZH

QRP-L # 493
72507.235@compuserve.com
Chesapeake, Va.
MP2.1K
'98 Sportsman

Date: Fri, 15 Jan 1999 16:10:31 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <we6w@qsl.net>
Subject: [29832] RE: Toroid winding Tip?
Message-ID: <001001be40cb$7bd13700$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I don't personally think toroid wire(s) are under enough tension, much less
CHANGING tensions, to require pre-stretching. One exception, in practice to
this, is when winding twisted-pair wires, the last step AFTER the twisting,
but BEFORE winding, is to give the twisted line a tug, to SET the wires.

72 / 73 Ed N4XY email: <n4xy@mindspring.com>

Date: Fri, 15 Jan 1999 13:12:41 -0800
From: "Radman" <radman@best.com>
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Cc: <we6w@juno.com>
Subject: [29833] Re: Toroid winding Tip?
Message-ID: <199901152108.NAA10668@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ed et al,

I'm not a toroid "expert," but I really doubt that prestretching 26ga (?) magnet wire will influence the drift performance of the toroid. There is no mechanical stress on the wire. That said, I always wind my toroids as tightly as (humanly) possible to keep them neat and close to the desired value. I have taken measurements of the OHR-100A and OHR-400 toroids prior to installation, with my Wavetek LCR meter. Identically-wound toroids will show some minor differences in value (in the uH's) and that will have to be "tuned out" along with component variance between identical capacitors -- standard stuff, right? :-)

The case for LO or VFO drift in the OHR-100A, IHMO seems to be linked to *movement" of toroid windings on L114. If those windings are not doped or waxed, the rig can exhibit drift and shift in tunable range. That particular toroid tunes like a "hair trigger," and It's really important to "nail the windings down" once the rig is aligned properly. In addition, it's important to dope or wax all of the other toroids and variable caps when the rig has been fully aligned.

Both my OHR-100A and my OHR-400 are stable as rocks. I can't explain why, other than I'm a fussy sort of builder. I do a lot of component measurement *prior* to assembly... always looking for something that's out of spec.

I'm sure you'll do a great job, Ed. I would be interested in other opinions on "wire stretching" :-)

vry 72 - Conrad Weiss - NN6CW

I've heard about stretching antenna wires before constructing wire antennas. I was wondering if anyone pre-stretched the wire used to wind their

toroids with?

Would this help minimize drift at all? Is there
any improvement to be had if one were to pre-stretch
the toroid wires brior to winding?

Date: Fri, 15 Jan 1999 16:13:18 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: <carl.s.hyde@lmco.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29834] Re: Hurry Up
Message-ID: <00ad01be40cb$e302c1a0$3c338cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

LOL! Carl, I'm still working on why Bob would post this on a node that is designed and aimed at code operators. Surely, he didn't expect us to agree with his philosophy on code. CU Mitch 73 AE4YW

Date: Fri, 15 Jan 1999 16:10:30 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [29835] Re: What, Me Hurry?
Message-ID: <369FAEC5.884BA59E@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yep,
It happens if you let it. I learned more practical stuff about working satellites from a Tech on this list today than I did studying for my Extra.
Thanks

Ed Kwik AB8DF Waterford, MI

Rick McNelly wrote:
>
> Ed Loranger wrote:
> ------
> Be concerned with how you feel. Trust others until
> they betray that trust. Don't begin with fears of
> ridicule along a path that doesn't exist, but will
> soon be paved with the insecurities of others.
>
> This whole licensing/Class thing has to do with WHEN
> you go, not WHAT you know -- Only what is tested.
>
> We are each unique and deserving. Class is not status,
> it is access. I will enjoy coffee as much with a novice
> as an extra, rich or poor.
>
> ------
>
> This is a great statement!
>
> And this philosophy can be applied to much more than radio.
>
> Thanks Ed! :-)
>
> 72/73's,
>
> --Rick, KE4IZH
>
> QRP-L # 493
> 72507.235@compuserve.com
> Chesapeake, Va.
> MP2.1K
> '98 Sportsman

Date: Fri, 15 Jan 1999 16:21:56 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: <hhurst@delaware.infi.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [29836] Re: Hurry Up
Message-ID: <00b201be40cd$152e9400$3c338cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well Harry, I got one of those "Extras" you were talking about. And I know a thing or 3 but every time I get too big for my britches, one of those old Generals takes time out of his busy day and dusts me off a little and makes me realize just how much I don't know! In fact, sometimes I am still not sure if my Extra is quite up to snuff with the old General Class license. (maybe it is just 40 more years experience) CU Mitch AE4YW
>

Date: Fri, 15 Jan 1999 16:23:49 -0500
From: n3aaz-qrp@juno.com (John R Kirby)
To: ac5ez@webtv.net, qrp-l@Lehigh.EDU
Subject: [29837] Re: Fcc Police
Message-ID: <19990115.162517.-316153.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

>Has the fcc actually collected any fines...
>last 10 years ?

See Worldradio, Jan 1999, page 2...FCC levies hefty fines on...
"wr" also has a very nice QRP column by -KI6SN- and that antenna column guy is a stitch, a "little"arrogant but gets the point across.

John
N3AAZ

.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 15 Jan 1999 16:19:30 -0500
From: "Joseph Street" <joseph.street@comdev.ca>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [29838] 30 meters sked?
Message-ID: <369FB0E2.F9C67EF2@comdev.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The weather is supposed to warm up to something closer to 0 this weekend
and I think I'll go hang at the park with my qrp rig and make some
antenna trials on thirty.
Anyone interested listen for me at 10.110 mhz saturday at 4:00 EST and
Sunday at 10:00 am EST.

Ps: Didnt I see a message where someone was complaining that the
snowbanks were getting as high as the roof of his car? Well around here
we don't start complaining untill the snowbanks on either side of our
driveways begin to connect overhead. It gets too dark and you cant see
where to put the key in the car!
And another thing.....its not fair for us Canadians that the FYBO
multipliers for temperature don't go low enough. There ought to be
something done about this!!

Joe in the snow
VE3UXE

Date: Fri, 15 Jan 1999 15:26:07 -0600
From: Ed Manuel <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [29839] Re: Any interest in more 10-turn pots?
Message-ID: <3.0.5.32.19990115152607.009149c0@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>The details on the part: a 10 Kohm, 10-turn, linear, wirewound pot, BI
>Technologies part 7286 R10K L.25 found on page 212 of the current mouser
>catalog. Makes a great modification to your Norcal 40, SW+, TenTec,
>OHR, or other QRP rig that uses a 10K pot for tuning.

Anyone know if these pots will drop into an SST? Any gotcha's like space?

Ed, N5EM
n5em@amsat.org

Ed Manuel, N5EM
Houston, Texas

n5em@amsat.org
atv@cq-vhf.com

Date: Fri, 15 Jan 1999 16:38:24 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: <jskalski@buffnet.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29840] Re: qrp 1999 resolutions
Message-ID: <011001be40cf$630da880$3c338cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yep, I am going to work all 50 on 1 watt (got 23 already, thanks guys)!
cu Mitch AE4YW
-----Original Message-----
From: James Skalski <jskalski@buffnet.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, January 14, 1999 4:29 PM
Subject: qrp 1999 resolutions

>
>Has anyone made any resolutions re: qrp for 1999?
>
>WAS at ____ power level
>DXCC ?
>
>
>I hope to build an all band homebrew transceiver.
>Improve antenna situation.
>Find out the source of the *&^%** line noise at my qth.
>Set aside some time for more operating.
>Finish *some* of my projects.
>Get rid of some of my extra stuff. (My wife thinks this should be #1)
>
>The snow on either side of my driveway is nearing the level of the roof of
>my car. I can't take it any more :-)
>
>
> 73,
>

> Jim N2go
>
>

Date: Fri, 15 Jan 1999 16:30:50 -0500
From: Tom Bowman <tbowman@nbn.net>
To: qrp-l@lehigh.edu
Cc: we6w@juno.com, we6w@qsl.net
Subject: [29841] Re: Toroid winding Tip?
Message-ID: <3.0.5.32.19990115163050.007e8100@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ed,

Roy, W7EL, in the August 1980 QST, in his classic article on the Optimized QRP Transceiver talks about minimizing drift caused by coils. He suggests the best coils are those wound tightly on type-6 powdered iron cores.

"A technique suggested by W7ZOI is to anneal the coil after winding, which I do by boiling it in water a short while, then letting it cool in air. This noticeably reduces drift...."

Stretching the wire before winding the coil, then annealing the coil as Roy and Wes Hayward suggest might be the answer.

I wish I had a dime every time I turned to this article on optimizing a transceiver. There's more solid advice in that article then in some books...

It would be great for Norcal or someone to post this to the Web for all to read.

73,
Tom, WA3REY

At 08:03 PM 1/15/99 +0000, you wrote:
>I have a question I haven't heard before.
>
>I've heard about stretching antenna wires before
>constructing wire antennas. I was wondering if
>anyone pre-stretched the wire used to wind their
>toroids with?
>
>Would this help minimize drift at all? Is there
>any improvement to be had if one were to pre-stretch

>the toroid wires prior to winding?
>

 <>< Tom Bowman, WA3REY, Mount Gretna, PA 17064

tbowman@mt-gretna.com

http://www.mt-gretna.com

Date: Fri, 15 Jan 1999 16:45:27 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: Edward A Kwik jr <eakwikjr@hti.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29842] Re: What, Me Hurry?
Message-ID: <Pine.LNX.4.03.9901151637520.996-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was never impressed by titles or labels. The first two degrees that I
got ...I didn't go to graduation ceremonies and didn't take the paperwork
out of the mailer until many years later. I went to the ceremonies when I
got a doctorate only because they threatened to impose a fifty
dollar fine to mail the thing to me :-)

I got an extra because I couldn't keep track of the frequency allocations.
They also were threatening to limit the frequencies that you could use.

You will learn more by trying and failing then you ever will preparing for
any exam. Likewise you will learn more if your projects and gadgets don't
work the first time. If they never work...now *that* can make you humble.

73,

Jim N2go

Date: Fri, 15 Jan 1999 16:53:11 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: <radman@best.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29843] Re: Frequency counter probe question
Message-ID: <014001be40d1$73067c60$3c338cd1@default>

MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul, One good reason for having RF in my shack (grin) is so I can put a rubber duck on a freq counter and know what I am sending on with my sw-40 :) CU Mitch AE4YW
>

Date: Fri, 15 Jan 1999 17:02:51 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: <N7YA@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29844] Re: what, me hurry?...a politically correct opinion, lol
Message-ID: <019001be40d2$ccac3420$3c338cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

LMAO! Sorry Ed, I'm a PIK (politically incorrect kid) haven't much sympathy for the digitally challenged :) CU 73 AE4YW

><< We are each unique and deserving. Class is not status,
> it is access. I will enjoy coffee as much with a novice
> as an extra, rich or poor. >>
>
>oh great!! i just get through ranting about code testing...only to be riddled
>by bullets of logic from the very well aimed keyboard at Ed's place! emember me at
>the polls in november....just kidding, uugh...politics?....PUKE!!!
>
> 73...Adam, N7YA
>

Date: Fri, 15 Jan 1999 15:13:04 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: "azqrp@extremezone.com" <azqrp@extremezone.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [29845] FYBO
Message-ID: <369F5B00.B9A072E4@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, Joe's going to be off for a while, so I'll agitatge a bit.

Sent him an e-mail about operating classes with respect to bands. The current rules are minimal and don't talk about that, but I suggested that there be two classes of operators: Multi-band for those with big OHR rigs, Sierra's, K2's etc and then Single Band for those with sluch rigs (NC40A, SWXX, etc.)

Haven't seen a posting yet, but I'll push a bit. When you prepare your log, be sure you indicate multi or single band...that will make it easier to sort things out when the decision is made.

Looks like neaux sneaux for FYBO in AZ. Going to be fun anyway.

72...Roger
--
72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Fri, 15 Jan 1999 15:13:13 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: joseph.street@comdev.ca
Cc: qrp-l@Lehigh.EDU
Subject: [29846] Re: 30 meters sked?
Message-ID: <199901152213.PAA26209@usr06.primenet.com>

Joe in the snow (VE3UXE) wrote:

> And another thing.....its not fair for us Canadians that the FYBO
> multipliers for temperature don't go low enough. There ought to be
> something done about this!!

We could always add a special Frostbite Multi. :-)
Photographic proof must accompany log. ;-)

Can't make your 30m sked this weekend (gonna be
offline and QRT - dang meetings...), but please
give me a shout any other time. 30m is my favorite
band!

Cheers de AB7TT,

-Joe, Who Wishes There Was Snow, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
- Dave, Fellow Snow Camper

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Fri, 15 Jan 1999 14:17:20 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: <tbowman@nbn.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29847] Re: Toroid winding Tip?
Message-ID: <19990115221724.JPYZ19944@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Re: # 6 material

If I recall correctly, # 7 material was not widely available when W7ZOI wrote his 1980 article. It is allegedly EVEN BETTER than # 6 for winding coils in order to minimize drift.

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org
http://home.att.net/~alan.kaul/index.html or
http://home.att.net/~alan.kaul/qrp.html

Date: Fri, 15 Jan 1999 17:29:55 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: <bmug@gwl.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29848] Re: Y2K Problems SOLVED
Message-ID: <021001be40d6$94ad0aa0$3c338cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

LOL Brad, I think Chuck was about to blow a gasket with us last week for being so far off topic (and staying there{grin}). Federal law is that the nuclear plants must start shutting down in august. 20% of the total grid. It takes a coal train 4 miles long to feed a coal power plant 1 day. Coal plants have a 3 to 4 day supply on hand. The Gov says may have to divert power to heart of cities and kill power to suburbs and countryside. I hope those trains don't glitch and wind up in Muleshoe Texas :) "I'd be working on the railroad.....(everybody sing!)....." CU Mitch AE4YW

-----Original Message-----
From: Brad Mugleston <bmug@gwl.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, January 15, 1999 1:29 PM
Subject: Y2K Problems SOLVED

>I've been skimming the talk about the millennium on the digest mode (I hope
>this hasn't been killed or died - well if it has lets don't start it up again).
>

Date: Fri, 15 Jan 1999 17:40:10 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29849] Re: PLEASE READ
Message-ID: <021701be40d8$033e9820$3c338cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob, I would say that a magnatron out of a large microwave oven, mounted on about a 1 meter parabolic dish, should take the little bugger out for good, and from accross the street! :) (I know they do a good job on those pesky cable companies LNA's) CU Mitch

-----Original Message-----
From: RangerSF5@aol.com <RangerSF5@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, January 15, 1999 1:46 PM
Subject: PLEASE READ
.

>Right now,a pound of C-4 is looking real good.
>Also a few rounds from a 300 MAG placed into the amp hanging from the pole
for
>the cable Co. would help.
>Again thanks to all who took the time to write.
>If I find the cure,I will post.
>Bob
>WA2HOQrp <tm>
>

Date: Fri, 15 Jan 1999 15:48:18 -0700
From: Brad Mugleston <bmug@gwl.com>
To: "'Mitch Dickson'" <mitch@volstate.net>, "bmug@gwl.com" <bmug@gwl.com>, Low
Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [29850] RE: Y2K Problems SOLVED
Message-ID: <01BE409E.793FFE40.bmug@gwl.com>

I've got batteries and just think of the noise free signals.
de KI0OT, Brad

-----Original Message-----
From: Mitch Dickson [SMTP:mitch@volstate.net]
Sent: Friday, January 15, 1999 3:30 PM
To: bmug@gwl.com; Low Power Amateur Radio Discussion
Subject: Re: Y2K Problems SOLVED

LOL Brad, I think Chuck was about to blow a gasket with us last week for
being so far off topic (and staying there{grin}). Federal law is that the
nuclear plants must start shutting down in august. 20% of the total grid.
It takes a coal train 4 miles long to feed a coal power plant 1 day. Coal
plants have a 3 to 4 day supply on hand. The Gov says may have to divert
power to heart of cities and kill power to suburbs and countryside. I hope
those trains don't glitch and wind up in Muleshoe Texas :) "I'd be working
on the railroad.....(everybody sing!)....." CU Mitch
AE4YW

-----Original Message-----
From: Brad Mugleston <bmug@gwl.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, January 15, 1999 1:29 PM
Subject: Y2K Problems SOLVED

>I've been skimming the talk about the millennium on the digest mode (I
hope

>this hasn't been killed or died - well if it has lets don't start it up
again).
>

Date: Fri, 15 Jan 1999 17:57:28 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: <ac5ez@webtv.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29851] Re: Fcc Police
Message-ID: <023d01be40da$6dcc3420$3c338cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Oh yes! popped a "gentleman" in Atlanta just the other day. Fine was
several thousand, loss of license forever, and it may not be over! Heard he
jammed the DG at the metro airport and put several lives in jeopardy! I
heard that the Federal Judge was not amused. There was talk of maybe even
some "time to think"! They stopped a trucker I heard in Dalton last year
that was splattering so bad he was shutting down the Georgia Highway Patrol.
Rumor has it that the Judge was not real impressed with him either. Heard
they not only took everything they owned with a knob, but asked if they had
any dreams, cause they wanted them too!! ;) Don't know if it is true, but
the FCC is still out there, and may visit a QRMer near You. CU Mtich
AE4YW
-----Original Message-----
From: Larry B <ac5ez@webtv.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, January 15, 1999 3:16 PM
Subject: Fcc Police

Has the fcc actually collected any fines or smashed up any gear in the
last 10 years ? If they have , I havent heard about it.
K1zw

Date: Fri, 15 Jan 1999 22:56:59 +0000
From: pmk@juno.com (Patrick M Kvitkauskas)
To: qrp-l@lehigh.edu
Subject: [29852] 1999 QRP-L Heathkit Hot Water Sprint (HHWS) ANNOUNCEMENT

(DUPE)
Message-ID: <19990115.225736.8390.3.pmk@juno.com>

OK looks like January 23 and 24 will be a go as it looked quiet
in the QST on the HF bands.

Hope we have a good weekend and hope to bag a few myself.
If we have a good turnout and everyone enjoys it. There might be
another HHWS later in the year.

Date and times January 23 12:00z to 16:00z , January 24 16:00z to
20:00z
This ought to spread out the propagation for everyone on the upper bands.

Tried to keep the rules simple but didn't want to leave anything out.

1999 Heathkit Hot Water Sprint (HHWS) ((There might be 2))

1-1 HW rig defines any Heathkit HW series transceiver
1-2 If you have no HW series rig you still get 1 point for working
 a HW rig.

2-1 Bands 40 / 20 / 15 <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

3-1 Power output QRP for now (under 5 watts)

4-1 scoring 1 point per HW rig
4-2 HW rig to HW rig QSO = 2 points
4-3 non HW rig to HW rig or visa versa = 1 point
4-4 separate band logs
4-5 you can work the same station on other bands and receive those
points
4-6 the most points you can receive from a station is 6 points if you
both have
HW rigs and worked the 3 bands

5-1 exchange RST , QTH , rig
5-2 example 529 FL HW/7
5-3 example 599 FL SIERRA

6-1 call CQHW
6-2 please use 3 by 3 while calling unless working a pile up

7-1 we all must have fun

8-1 logs sent to PMK@JUNO.COM VIA email

8-2 lets use the honer system and all I need are totals
8-3 Please in your subject put "HW totals, callsign and total"
8-4 example HW TOTALS KD4OBQ 36
8-5 in the text put your rig , QTH and snail mail address so I can mail out certificates

72/73 de Patrick KD4OBQ
PMK@JUNO.COM

AR

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Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 15 Jan 1999 16:01:42 -0700
From: Niel Skousen <nskousen@scientech.com>
To: "M CHERRY" <MCHERRY@CALWEB.COM>, qrp-l@lehigh.edu
Subject: [29853] Re: I hear you need Idaho...
Message-ID: <4.1.19990115155308.009f2820@if.scientech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I will be working till 8:00 mst, when I get home I'll try to get something jury rigged on 7.112 ...

I'll also cc: QRP-L to see if any of the other ID hams can be about to give you ID tonite...

I know there are 6-7 ID hams on the list... Guy's help me out, since I'm working late it would be nice if someone else from ID could hop on 7.112 and catch Mary. Propagation would probably be best (based on NTFox conditions/experience) from 6:00-7:30 mst ... I'll still try to get on abt 8:30 to see if Mary's there..

TNX Niel

At 02:30 PM 1/15/99 -0800, you wrote:
>I will be available all evening so whenever it's good for you. I really
>appreciate you going to this trouble.
>
>Thank you
>Mary

> wn6hyx

------- -.. . .-- .- --...- -------------
Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG, NUSI WA7SSA
208.525.3742, 524.9229 FAX 529.4721 Idaho Falls ID
nskousen@scientech.com DN33wm . . . -z

Date: Fri, 15 Jan 1999 15:07:02 -0800

From: Pierre Constantineau <pierre@cmpe.ubc.ca>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29854] Re: Toroid winding Tip?
Message-ID: <369FCA16.7158DB1F@cmpe.ubc.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> I've heard about stretching antenna wires before
> constructing wire antennas. I was wondering if
> anyone pre-stretched the wire used to wind their
> toroids with?
>
> Would this help minimize drift at all? Is there
> any improvement to be had if one were to pre-stretch
> the toroid wires brior to winding?

For the antennas, could the pre-stretching be done to minimize the stretching the antenna will have under its own weigth (and the feedline) or for some other reason?

If it is so, I do not see any reason to pre-stretch the wire before winding toroids.
--

 Pierre Constantineau B.Eng Email: pierre@cmpe.ubc.ca
 M. Applied Sciences Candidate Phone: (604) 822-2913
 Flash Smelting Group Fax: (604) 822-4750
 Centre For Metallurgical 111-2355 East Mall
 Process Engineering Vancouver, BC, Canada
 U. of British Columbia .oooO V6T 1Z4

Date: Fri, 15 Jan 1999 18:03:15 EST
From: PUNISHER3@aol.com
To: qrp-l@Lehigh.EDU
Subject: [29855] Re: sgc-2020 again
Message-ID: <bfc18c5.369fc933@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I too have worked someone that was using a SG-2020. Sounded just fine. No key-clicks or anything out of the ordinary.
The early 2020's though had keyclicks but now I am told that they have fixed everything, but this is the same as most rigs....usually the earlier versions of the radio have a few bugs or something like that, but as they get farther in production, everything is corrected.

73/2,
Ben - KM7DX
I don't want to start any flame wars or anything, this is just my opinion.

In a message dated 1/15/99 4:39:58 AM Pacific Standard Time, waltk8cv@surfree.com writes:

<< Group

 I worked one and If he hadn't told me it was an SGC-2020 I would have never known. Sounded just fine on my end, just like a brand new Omni6 + for all I could tell. He sure seemed to like it.

 Walt k8cv >>

Date: Fri, 15 Jan 1999 18:17:32 -0500
From: kf2ew@juno.com
To: jjmcd@tm.net
Cc: qrp-l@Lehigh.EDU
Subject: [29856] Re: qrp 1999 resolutions

Message-ID: <19990115.182454.-235923.3.kf2ew@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yup, I have, indeed. Two-way WAS/qrp.

Mike Kopacki, KF2EW

On Thu, 14 Jan 1999 17:51:34 -0500 "John J. McDonough" <jjmcd@tm.net>
writes:
>From: James Skalski <jskalski@buffnet.net>
>
>
>>Has anyone made any resolutions re: qrp for 1999?
>>
>>WAS at ____ power level
>>DXCC ?
>
>
>I'm a little less ambitious for this year. I have a longer term goal
>to get
>DXCC on a rig I built. For this year, tho, my goal is to understand
>what
>that rig will look like!
>
>72/73 de WB8RCR http://users.tm.net/jjmcd/
>didileydadidah QRP-L #1446 Code Warriors #35
>
>
>
>

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 15 Jan 1999 18:13:17 -0500
From: kf2ew@juno.com
To: n4so@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [29857] Re: RIT Circuits- QRP Rigs Circuit Analysis
Message-ID: <19990115.182454.-235923.2.kf2ew@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Great, Ken! Now...where can I get a copy of that book?!!!
Mike Kopacki, KF2EW

On Thu, 14 Jan 1999 00:52:08 EST n4so@Juno.Com (charles k brown) writes:
>Some of you are asking questions on modification of
>QRP rigs or on how they work.
>The first 18 pages of Data Book for Homebrewers and
>QRPers by Paul Harden, takes you through circuit analysis
>of QRP rigs in four parts starting from the front end and
>discusses each stage all the way to the transmitter. RIT
>circuits are shown on page 11.
>Comparisons and sample circuits are shown for the NorCal
>40 and 40a, the MFJ series, and for the NN1G SW-40.
>A lot of helpful and basic information is packed into
>these 18 pages of the Databook.
>
>Ken
>N4SO@juno.com
>Mobile, AL
>
>_____
>You don't need to buy Internet access to use free Internet e-mail. Get
>completely free e-mail from Juno at http://www.juno.com/getjuno.html
>or call Juno at (800) 654-JUNO [654-5866]

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 15 Jan 1999 18:22:49 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [29858] MFJ NEWS LETTER
Message-ID: <6cc7a708.369fcdc9@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Has anyone received the third issue of the MFJ news letter yet?

Bob
WA2HOQrp <tm>

Date: Fri, 15 Jan 1999 15:27:24 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@lehigh.edu
Subject: [29859] RFI from TCI wireless modem jacks
Message-ID: <199901152327.PAA18588@heracles.llnl.gov>

It has not yet appeared on qrp-l that I recall, but there is a serious RFI problem in No Cal from so-called wireless modem jacks. All to date are attributable to a batch (~1000000 of 'em) made by Phonex (Midvale UT) and installed by TCI as part of the billing hardware for their Digital Cable TV systems. They are used to tie the TV cable box to the customer's phone line and use two frequencies with some sort of pulse/FM signal (duplex) for that interface. They, in principle, use the power wiring in the home to move the RF around from one to the other. They didn't have to do it that way, but it is much easier and faster than installing a hard telephone line between the two.

Well... as we all know, RF tries to radiate...
The bad frequency chosen for these units is (circa) 3520 kHz. As a result, most communities in the SF Bay area have the 80m cw band, from ~3505 to ~3550 consumed by various trash digital signals of up to S9+30 dB strength. An investigation into the power of these units came up with about 100mW (there, QRP...) and they radiate VERY WELL. It is the 2nd harmonic that is clobbering me right now. I am actively working with the local TCI installation supervisor and they are REALLY HELPING... replacing the problem units with others tuned to other frequencies. in about a week of effort, about 40% of the signals have been removed. The din is starting to quiet a bit. I am fortunate in having a cooperative and informed point man at the local TCI office. I have a few more (the 2nd harmonic: 7039 and 7043) affect me more than the fundamental right now as I don' yet have an 80m antenna. This is likely the case for many others here and elsewhere.

He has given me corresponding contact numbers for a few other cities in the Bay area and will soon give me his entire list. I am feeding these to affected hams in the area through the NCCC reflector (No Cal Contest Club...).

If you are in the Bay area (CA) and haven't listened to 3500 - 3550, do give it a listen. If you ever plan to use that band (not necessarily now using it) PLEASE contact TCI and actively pursue the cleanup, albeit POLITELY. This effort is costing TCI BIG BUCKS, I am certain as it is nationwide. Ask for the general manager or the area installation supervisor.

For others also go listen and see if you have a problem now or beginning. It

is my understanding that they are all throughout the area near Newington in a spot check by an ARRL staffer using his mobile rig. Ed Hare is well aware of this problem and the solution: he was right in the middle of it (Hi Ed).

They are supposed to stop installing the bad units but ... who knows for sure. TCI supervisors HAVE BEEN informed about the problem and have a plan for remediation. Take initiative. Go do it. Let's get 80m back...

Now back to our regular Y2K programming...

Allan K7GT Pleasanton CA

Date: Fri, 15 Jan 1999 18:25:32 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [29860] ATTN.Niel Skosen
Message-ID: <db1ecde0.369fce6c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Niel please reply with qth address.
Bob
WA2HOQrp <tm>

Date: Fri, 15 Jan 1999 23:56:41 +0000
From: Ed Loranger <we6w@qsl.net>
To: Radman <radman@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, we6w@juno.com
Subject: [29861] Re: Toroid winding Tip?
Message-ID: <369FD5B8.580D@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
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Radman wrote:
>
> Hi Ed et al,
>
> I'm not a toroid "expert," but I really doubt that
> prestretching 26ga (?) magnet wire will influence the

> drift performance of the toroid. There is no mechanical
> stress on the wire.

Howdy Conrad! Hee, hee. I'm still smiling on this one.
No mechanical stress??? What do you call cranking on that
toroid and winding it tight :)

Hmmmm, I wonder if after stretching, maybe the wire will
"Tighten" up on the core better :)

So far I have received NO Responses that Stretching the
wire ADVERSELY affects it.

Except on person was worried about diameter changes etc.
But I looked up the values with different wire diameters
and this is WELL within any tuning range. Besides, I
don't just count turns, I measure performance.

I did the BOILED torid/winding thing when I posted my
mini-series of articles on the OHR-100 drift problem.
I didn't find any significant improvement with that. But
I did learn that it IS OK and is not detremental. I
will probably do it again just to improve the LAY
of the turns.

> That said, I always wind my toroids as
> tightly as (humanly) possible to keep them neat and close
> to the desired value. I have taken measurements of the
> OHR-100A and OHR-400 toroids prior to installation, with
> my Wavetek LCR meter. Identically-wound toroids will show
> some minor differences in value (in the uH's) and that
> will have to be "tuned out" along with component variance
> between identical capacitors -- standard stuff, right?
> :-)
>
> The case for LO or VFO drift in the OHR-100A, IHMO seems
> to be linked to *movement" of toroid windings on L114. If
> those windings are not doped or waxed, the rig can exhibit
> drift and shift in tunable range. That particular toroid
> tunes like a "hair trigger," and It's really important to
> "nail the windings down" once the rig is aligned properly.
> In addition, it's important to dope or wax all of the
> other toroids and variable caps when the rig has been
> fully aligned.

Good preachin' there Radman! That's the truth.

>
> Both my OHR-100A and my OHR-400 are stable as rocks. I
> can't explain why, other than I'm a fussy sort of builder.
> I do a lot of component measurement *prior* to assembly...
> always looking for something that's out of spec.
>
> I'm sure you'll do a great job, Ed. I would be interested
> in other opinions on "wire stretching" :-)

Thanks for the response.
72 Ed

>
> vry 72 - Conrad Weiss - NN6CW
>
> ***********************************

--
-Ed AR QRP Millennium QSO's=124/2000
72, Ed WE6W, A-1 OP; http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 15 Jan 1999 18:57:52 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [29862] HAM LINKS
Message-ID: <369FD600.EBDDFEC9@worldnet.att.net>
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for HAM LINKS Check out:

http://www.ac6v.com/pageas.html

Over 3000 links.

73, Tom, N1TP, Naples, Florida

End of QRP-L Digest 1337

